

# Panasonic

## Aluminum Electrolytic Capacitors/FC

### Radial Lead Type

Series: FC Type :A

- Features Endurance : 105°C 1000 h to 5000 h  
Low impedance

Japan  
Malaysia  
China



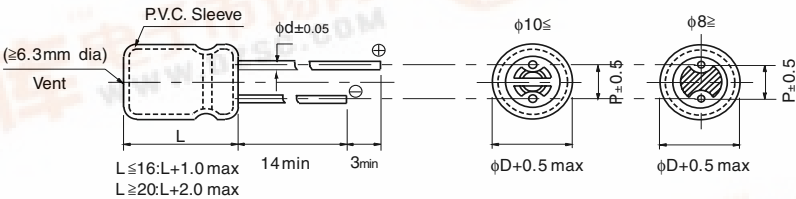
■ Specifications

|                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                    |                                      |      |                                         |                    |                                |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|--------------------------------------|------|-----------------------------------------|--------------------|--------------------------------|
| Category Temp. Range  | -55 to +105°C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                    |                                      |      |                                         |                    |                                |
| Rated W.V. Range      | 6.3 to 63 V .DC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                    |                                      |      |                                         |                    |                                |
| Nominal Cap. Range    | 1.0 to 15000 $\mu$ F                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                    |                                      |      |                                         |                    |                                |
| Capacitance Tolerance | $\pm 20\%$ (120Hz/+20°C)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                    |                                      |      |                                         |                    |                                |
| DC Leakage Current    | $I \leq 0.01 CV$ or $3(\mu A)$<br>after 2 minues application of rated working voltage at +20°C(Whichever, is greater)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                    |                                      |      |                                         |                    |                                |
| Dissipation Factor    | Please see the attached standard products list                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                    |                                      |      |                                         |                    |                                |
| Endurance             | After following life test with DC voltage and +105 $\pm 2^\circ$ C ripple current value applied (The sum of DC and ripple peak voltage shall not exceed the rated working voltage), the capacitors shall meet the limits specified below.<br>Duration : 1000 hours ( $\phi 4$ to 6.3), 2000hours ( $\phi 8$ ), 3000 hours ( $\phi 10$ ), 5000 hours ( $\phi 12.5$ to 18)<br>Post test requirement at +20 °C <table><tr><td>Capacitance change</td><td><math>\pm 20\%</math> of initial measured value</td></tr><tr><td>D.F.</td><td><math>\leq 200\%</math> of initial specified value</td></tr><tr><td>DC leakage current</td><td><math>\leq</math> initial specified value</td></tr></table> | Capacitance change | $\pm 20\%$ of initial measured value | D.F. | $\leq 200\%$ of initial specified value | DC leakage current | $\leq$ initial specified value |
| Capacitance change    | $\pm 20\%$ of initial measured value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                    |                                      |      |                                         |                    |                                |
| D.F.                  | $\leq 200\%$ of initial specified value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                    |                                      |      |                                         |                    |                                |
| DC leakage current    | $\leq$ initial specified value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                    |                                      |      |                                         |                    |                                |
| Shelf Life            | After storage for 1000 hours at +105 $\pm 2^\circ$ C with no voltage applied and then being stabilized at +20 °C, capacitor shall meet the limits specified in "Endurance".(With voltage treatment)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                    |                                      |      |                                         |                    |                                |

■ Frequency correction factor for ripple current

| W.V.(V.DC) | Capacitance<br>( $\mu$ F) | Frequency(Hz) |      |      |      |      |
|------------|---------------------------|---------------|------|------|------|------|
|            |                           | 60            | 120  | 1k   | 10k  | 100k |
| 6.3 to 63  | 1.0 to 330                | 0.55          | 0.65 | 0.85 | 0.90 | 1.0  |
|            | 390 to 1000               | 0.70          | 0.75 | 0.90 | 0.95 | 1.0  |
|            | 1200 to 2200              | 0.75          | 0.80 | 0.90 | 0.95 | 1.0  |
|            | 2700 to 15000             | 0.80          | 0.85 | 0.95 | 1.00 | 1.0  |

■ Dimensions in mm (not to scale)



|                    | L=7  |      |      | L ≥ 11 |     |     |     |     |          |          |     |
|--------------------|------|------|------|--------|-----|-----|-----|-----|----------|----------|-----|
| Body Dia. $\phi D$ | 4    | 5    | 6.3  | 4      | 5   | 6.3 | 8   | 10  | 12.5     | 16       | 18  |
| Body Length L      |      |      |      |        |     |     |     |     | 15 to 25 | 30 to 35 |     |
| Lead Dia. $\phi d$ | 0.45 | 0.45 | 0.45 | 0.45   | 0.5 | 0.5 | 0.6 | 0.6 | 0.6      | 0.8      | 0.8 |
| Lead space P       | 1.5  | 2    | 2.5  | 1.5    | 2.0 | 2.5 | 3.5 | 5.0 | 5.0      | 7.5      | 7.5 |

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### Case size/ Impedance/ Ripple Current

| Case size<br>( $\phi$ D×L) | 6.3 V to 35V               |       |                                         | 50V                        |        |                                         | 63V                        |       |                                         |
|----------------------------|----------------------------|-------|-----------------------------------------|----------------------------|--------|-----------------------------------------|----------------------------|-------|-----------------------------------------|
|                            | Impedance $\Omega$ /100kHz |       | Ripple Current<br>mA r.m.s.<br>/100 kHz | Impedance $\Omega$ /100kHz |        | Ripple Current<br>mA r.m.s.<br>/100 kHz | Impedance $\Omega$ /100kHz |       | Ripple Current<br>mA r.m.s.<br>/100 kHz |
|                            | 20°C                       | -10°C |                                         | 20°C                       | -10°C  |                                         | 20°C                       | -10°C |                                         |
| 4 × 7                      | 2.00                       | 5.00  | 65                                      | -                          | -      | -                                       | -                          | -     | -                                       |
| 5 × 7                      | 0.95                       | 2.40  | 120                                     | -                          | -      | -                                       | -                          | -     | -                                       |
| 6.3 × 7                    | 0.45                       | 1.20  | 200                                     | -                          | -      | -                                       | -                          | -     | -                                       |
| 4 × 11                     | 1.30                       | 2.60  | 120                                     | 2.50                       | 5.00   | 90                                      | 3.50                       | 7.00  | 80                                      |
| 5 × 11                     | 0.80                       | 1.60  | 175                                     | 2.4 *1                     | 4.8 *1 | *3                                      | 2.00                       | 4.00  | 145                                     |
|                            |                            |       |                                         | 1.3 *2                     | 2.6 *2 | *3                                      |                            |       |                                         |
| 5 × 15                     | 0.50                       | 1.00  | 235                                     | 0.90                       | 1.80   | 215                                     | 1.30                       | 2.60  | 200                                     |
| 6.3 × 11.2                 | 0.35                       | 0.700 | 290                                     | 0.60                       | 1.20   | 260                                     | 1.00                       | 2.00  | 240                                     |
| 6.3 × 15                   | 0.25                       | 0.500 | 400                                     | 0.40                       | 0.80   | 360                                     | 0.70                       | 1.40  | 330                                     |
| 8 × 11.5                   | 0.117                      | 0.234 | 555                                     | 0.234                      | 0.468  | 485                                     | 0.342                      | 0.684 | 405                                     |
| 8 × 15                     | 0.085                      | 0.170 | 730                                     | 0.155                      | 0.310  | 635                                     | 0.230                      | 0.460 | 535                                     |
| 8 × 20                     | 0.065                      | 0.130 | 995                                     | 0.120                      | 0.240  | 860                                     | 0.178                      | 0.356 | 690                                     |
| 10 × 12.5                  | 0.090                      | 0.180 | 765                                     | 0.160                      | 0.324  | 615                                     | 0.256                      | 0.512 | 535                                     |
| 10 × 16                    | 0.068                      | 0.136 | 1050                                    | 0.119                      | 0.238  | 850                                     | 0.194                      | 0.368 | 600                                     |
| 10 × 20                    | 0.052                      | 0.104 | 1220                                    | 0.090                      | 0.180  | 1030                                    | 0.147                      | 0.294 | 885                                     |
| 10 × 25                    | 0.045                      | 0.090 | 1440                                    | 0.082                      | 0.164  | 1200                                    | 0.130                      | 0.260 | 1050                                    |
| 10 × 30                    | 0.035                      | 0.070 | 1815                                    | 0.060                      | 0.120  | 1610                                    | 0.090                      | 0.180 | 1300                                    |
| 12.5 × 15                  | 0.065                      | 0.130 | 1205                                    | 0.110                      | 0.220  | 1150                                    | 0.150                      | 0.300 | 1020                                    |
| 12.5 × 20                  | 0.038                      | 0.076 | 1655                                    | 0.063                      | 0.126  | 1480                                    | 0.085                      | 0.170 | 1285                                    |
| 12.5 × 25                  | 0.030                      | 0.060 | 1945                                    | 0.050                      | 0.100  | 1832                                    | 0.070                      | 0.140 | 1720                                    |
| 12.5 × 30                  | 0.025                      | 0.050 | 2310                                    | 0.040                      | 0.080  | 2215                                    | 0.055                      | 0.110 | 2090                                    |
| 12.5 × 35                  | 0.022                      | 0.044 | 2510                                    | 0.034                      | 0.068  | 2285                                    | 0.047                      | 0.094 | 2265                                    |
| 12.5 × 40                  | 0.018                      | 0.036 | 2655                                    | 0.030                      | 0.060  | 2590                                    | 0.042                      | 0.084 | 2560                                    |
| 16 × 15                    | 0.043                      | 0.086 | 1690                                    | 0.080                      | 0.160  | 1610                                    | 0.090                      | 0.180 | 1410                                    |
| 16 × 20                    | 0.029                      | 0.058 | 2205                                    | 0.048                      | 0.096  | 1835                                    | 0.059                      | 0.118 | 1765                                    |
| 16 × 25                    | 0.022                      | 0.044 | 2555                                    | 0.034                      | 0.068  | 2235                                    | 0.050                      | 0.100 | 2160                                    |
| 16 × 31.5                  | 0.018                      | 0.036 | 3010                                    | 0.028                      | 0.056  | 2700                                    | 0.043                      | 0.086 | 2670                                    |
| 16 × 35.5                  | 0.016                      | 0.032 | 3150                                    | 0.025                      | 0.050  | 2790                                    | 0.036                      | 0.072 | 2770                                    |
| 16 × 40                    | 0.015                      | 0.030 | 3360                                    | 0.023                      | 0.046  | 2845                                    | 0.030                      | 0.060 | 2825                                    |
| 18 × 15                    | 0.038                      | 0.076 | 2000                                    | 0.068                      | 0.136  | 1900                                    | 0.086                      | 0.172 | 1690                                    |
| 18 × 20                    | 0.028                      | 0.056 | 2490                                    | 0.042                      | 0.084  | 2420                                    | 0.055                      | 0.110 | 2290                                    |
| 18 × 25                    | 0.020                      | 0.040 | 2740                                    | 0.029                      | 0.058  | 2610                                    | 0.043                      | 0.086 | 2585                                    |
| 18 × 31.5                  | 0.016                      | 0.032 | 3635                                    | 0.025                      | 0.050  | 3000                                    | 0.032                      | 0.064 | 2950                                    |
| 18 × 35.5                  | 0.015                      | 0.030 | 3680                                    | 0.023                      | 0.046  | 3100                                    | 0.030                      | 0.060 | 3095                                    |
| 18 × 40                    | 0.014                      | 0.028 | 3735                                    | -                          | -      | -                                       | 0.025                      | 0.050 | 3205                                    |

\*1; Apply to 1 $\mu$ F

\*2; Apply to 2.2, 3.3, 4.7, 10L, 12, 18, and 22 $\mu$ F

| Case size<br>$\phi$ D×L (mm) | Capacitance<br>( $\mu$ F) | Impedance $\Omega$ /100kHz |       | Ripple Current<br>mA r.m.s<br>/100 kHz |
|------------------------------|---------------------------|----------------------------|-------|----------------------------------------|
|                              |                           | 20°C                       | -10°C |                                        |
| 5 × 11                       | 1.0                       | 2.40                       | 4.80  | 20                                     |
|                              | 2.2                       | 1.30                       | 2.60  | 45                                     |
|                              | 3.3                       | 1.30                       | 2.60  | 65                                     |
|                              | 4.7                       | 1.30                       | 2.60  | 95                                     |
|                              | 10L                       | 1.30                       | 2.60  | 125                                    |
|                              | 12                        | 1.30                       | 2.60  | 135                                    |
|                              | 15                        | 1.30                       | 2.60  | 145                                    |
|                              | 18                        | 1.30                       | 2.60  | 155                                    |
|                              | 22                        | 1.30                       | 2.60  | 155                                    |

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## Aluminum Electrolytic Capacitors/FC

### Standard Products

| W.V. | Cap.<br>(±20%) | Case size |        | Specification                                     |                                              |                           | Lead Length  |            |              |              | Part No.       | Min. Packaging Q'ty |        |
|------|----------------|-----------|--------|---------------------------------------------------|----------------------------------------------|---------------------------|--------------|------------|--------------|--------------|----------------|---------------------|--------|
|      |                | Dia.      | Length | Ripple<br>current<br>(100kHz)<br>(+105°C)<br>(mA) | Imped-<br>ance<br>(100kHz)<br>(+20°C)<br>(Ω) | Endur-<br>ance<br>(hours) | Lead<br>Dia. | Lead Space |              |              |                | Straight<br>Leads   | Taping |
|      |                |           |        |                                                   |                                              |                           |              | Straight   | Taping<br>*B | Taping<br>*H |                |                     |        |
| (V)  | (μF)           | (mm)      | (mm)   |                                                   |                                              |                           | (m m)        | (mm)       | (mm)         | (m m)        |                | (pcs)               | (pcs)  |
| 6.3  | 27             | 4         | 7      | 65                                                | 2.0                                          | 1000                      | 0.45         | 1.5        | 5.0          | 2.5          | EEAFC0J270( )  | 200                 | 2000   |
|      | 56             | 5         | 7      | 120                                               | 0.950                                        | 1000                      | 0.45         | 2.0        | 5.0          | 2.5          | EEAFC0J560( )  | 200                 | 2000   |
|      | 68             | 4         | 11     | 120                                               | 1.30                                         | 1000                      | 0.45         | 1.5        | 5.0          | 2.5          | EEUFC0J680( )  | 200                 | 2000   |
|      | 100            | 5         | 11     | 175                                               | 0.80                                         | 1000                      | 0.50         | 2.0        | 5.0          | 2.5          | EEUFC0J101( )  | 200                 | 2000   |
|      | 120            | 6.3       | 7      | 200                                               | 0.450                                        | 1000                      | 0.45         | 2.5        | 5.0          | 2.5          | EEAFC0J121( )  | 200                 | 2000   |
|      | 150            | 5         | 15     | 235                                               | 0.50                                         | 1000                      | 0.50         | 2.0        | 5.0          | 2.5          | EEUFC0J151( )  | 200                 | 2000   |
|      | 220            | 6.3       | 11.2   | 290                                               | 0.350                                        | 1000                      | 0.50         | 2.0        | 5.0          | 2.5          | EEUFC0J221( )  | 200                 | 2000   |
|      | 270            | 6.3       | 11.2   | 290                                               | 0.350                                        | 1000                      | 0.50         | 2.0        | 5.0          | 2.5          | EEUFC0J271( )  | 200                 | 2000   |
|      | 330            | 6.3       | 11.2   | 290                                               | 0.350                                        | 1000                      | 0.50         | 2.5        | 5.0          | 2.5          | EEUFC0J331S( ) | 200                 | 2000   |
|      |                | 6.3       | 15     | 400                                               | 0.250                                        | 1000                      | 0.50         | 2.5        | 5.0          | 2.5          | EEUFC0J331( )  | 200                 | 2000   |
|      | 390            | 8         | 11.5   | 555                                               | 0.117                                        | 2000                      | 0.60         | 3.5        | 5.0          |              | EEUFC0J391( )  | 200                 | 1000   |
|      | 470            | 8         | 11.5   | 555                                               | 0.117                                        | 2000                      | 0.60         | 3.5        | 5.0          |              | EEUFC0J471( )  | 200                 | 1000   |
|      | 560            | 8         | 11.5   | 555                                               | 0.117                                        | 2000                      | 0.60         | 3.5        | 5.0          |              | EEUFC0J561( )  | 200                 | 1000   |
|      | 820            | 8         | 15     | 730                                               | 0.085                                        | 2000                      | 0.60         | 3.5        | 5.0          |              | EEUFC0J821L( ) | 200                 | 1000   |
|      |                | 10        | 12.5   | 755                                               | 0.090                                        | 3000                      | 0.60         | 5.0        | 5.0          |              | EEUFC0J821     | 200                 | 500    |
|      | 1000           | 10        | 12.5   | 755                                               | 0.090                                        | 3000                      | 0.60         | 5.0        | 5.0          |              | EEUFC0J102( )  | 200                 | 500    |
|      | 1200           | 8         | 20     | 995                                               | 0.065                                        | 2000                      | 0.60         | 3.5        | 5.0          |              | EEUFC0J122L( ) | 200                 | 1000   |
|      |                | 10        | 16     | 1050                                              | 0.068                                        | 3000                      | 0.60         | 5.0        | 5.0          |              | EEUFC0J122( )  | 200                 | 500    |
|      | 1500           | 10        | 20     | 1220                                              | 0.052                                        | 3000                      | 0.60         | 5.0        | 5.0          |              | EEUFC0J152( )  | 200                 | 500    |
|      |                | 12.5      | 15     | 1205                                              | 0.065                                        | 5000                      | 0.60         | 5.0        | 5.0          |              | EEUFC0J152S( ) | 200                 | 500    |
|      | 1800           | 10        | 25     | 1440                                              | 0.045                                        | 3000                      | 0.60         | 5.0        | 5.0          |              | EEUFC0J182     | 200                 | 500    |
|      | 2200           | 10        | 25     | 1440                                              | 0.045                                        | 3000                      | 0.60         | 5.0        | 5.0          |              | EEUFC0J222( )  | 200                 | 500    |
|      |                | 16        | 15     | 1690                                              | 0.043                                        | 5000                      | 0.80         | 7.5        | 7.5          |              | EEUFC0J222S( ) | 100                 | 250    |
|      | 2700           | 10        | 30     | 1815                                              | 0.035                                        | 3000                      | 0.60         | 5.0        |              |              | EEUFC0J272L    | 100                 |        |
|      |                | 12.5      | 20     | 1655                                              | 0.038                                        | 5000                      | 0.60         | 5.0        | 5.0          |              | EEUFC0J272( )  | 200                 | 500    |
|      |                | 16        | 15     | 1690                                              | 0.043                                        | 5000                      | 0.80         | 7.5        | 7.5          |              | EEUFC0J272S( ) | 100                 | 250    |
|      | 3300           | 12.5      | 20     | 1655                                              | 0.038                                        | 5000                      | 0.60         | 5.0        | 5.0          |              | EEUFC0J332( )  | 200                 | 500    |
|      |                | 18        | 15     | 2000                                              | 0.038                                        | 5000                      | 0.80         | 7.5        | 7.5          |              | EEUFC0J332S( ) | 100                 | 250    |
|      | 3900           | 12.5      | 25     | 1945                                              | 0.030                                        | 5000                      | 0.60         | 5.0        | 5.0          |              | EEUFC0J392( )  | 200                 | 500    |
|      | 4700           | 12.5      | 30     | 2310                                              | 0.025                                        | 5000                      | 0.80         | 5.0        |              |              | EEUFC0J472     | 100                 |        |
|      |                | 16        | 20     | 2205                                              | 0.029                                        | 5000                      | 0.80         | 7.5        | 7.5          |              | EEUFC0J472S( ) | 100                 | 250    |
|      | 5600           | 12.5      | 35     | 2510                                              | 0.022                                        | 5000                      | 0.80         | 5.0        |              |              | EEUFC0J562L    | 100                 |        |
|      |                | 16        | 20     | 2205                                              | 0.029                                        | 5000                      | 0.80         | 7.5        | 7.5          |              | EEUFC0J562( )  | 100                 | 250    |
|      | 6800           | 12.5      | 40     | 2655                                              | 0.018                                        | 5000                      | 0.80         | 5.0        |              |              | EEUFC0J682L    | 100                 |        |
|      |                | 16        | 25     | 2555                                              | 0.022                                        | 5000                      | 0.80         | 7.5        | 7.5          |              | EEUFC0J682( )  | 100                 | 250    |
|      |                | 18        | 20     | 2490                                              | 0.028                                        | 5000                      | 0.80         | 7.5        | 7.5          |              | EEUFC0J682S( ) | 100                 | 250    |
|      | 8200           | 16        | 31.5   | 3010                                              | 0.018                                        | 5000                      | 0.80         | 7.5        |              |              | EEUFC0J822     | 100                 |        |
|      | 10000          | 16        | 35.5   | 3150                                              | 0.016                                        | 5000                      | 0.80         | 7.5        |              |              | EEUFC0J103     | 100                 |        |
|      |                | 18        | 25     | 2740                                              | 0.020                                        | 5000                      | 0.80         | 7.5        | 7.5          |              | EEUFC0J103S( ) | 100                 | 250    |
|      | 12000          | 16        | 40     | 3360                                              | 0.015                                        | 5000                      | 0.80         | 7.5        |              |              | EEUFC0J123L    | 100                 |        |
|      |                | 18        | 31.5   | 3635                                              | 0.016                                        | 5000                      | 0.80         | 7.5        |              |              | EEUFC0J123     | 50                  |        |
|      | 15000          | 18        | 35.5   | 3680                                              | 0.015                                        | 5000                      | 0.80         | 7.5        |              |              | EEUFC0J153     | 50                  |        |
| 10   | 22             | 4         | 7      | 65                                                | 2.0                                          | 1000                      | 0.45         | 1.5        | 5.0          | 2.5          | EEAFC1A220( )  | 200                 | 2000   |

When requesting taped product, please put the letter "B" or "H" between the "( )". Lead wire pitch B=5mm, 7.5mm.  
H=2.5mm.

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## Aluminum Electrolytic Capacitors/FC

### ■ Standard Products

| W.V.<br><br>(V) | Cap.<br>(±20%)<br><br>(μF) | Case size |        | Specification                                     |                                              |                           | Lead Length               |                       |                      |                       | Part No.       | Min.Packaging Qty              |                     |
|-----------------|----------------------------|-----------|--------|---------------------------------------------------|----------------------------------------------|---------------------------|---------------------------|-----------------------|----------------------|-----------------------|----------------|--------------------------------|---------------------|
|                 |                            | Dia.      | Length | Ripple<br>current<br>(100kHz)<br>(+105°C)<br>(mA) | Imped-<br>ance<br>(100kHz)<br>(+20°C)<br>(Ω) | Endur-<br>ance<br>(hours) | Lead<br>Dia.<br><br>(m m) | Lead Space            |                      |                       |                | Straight<br>Leads<br><br>(pcs) | Taping<br><br>(pcs) |
|                 |                            |           |        |                                                   |                                              |                           |                           | Straight<br><br>(m m) | Taping<br>※B<br>(mm) | Taping<br>※H<br>(m m) |                |                                |                     |
| 10              | 39                         | 5         | 7      | 120                                               | 0.950                                        | 1000                      | 0.45                      | 2.0                   | 5.0                  | 2.5                   | EEAFC1A390( )  | 200                            | 2000                |
|                 | 47                         | 4         | 11     | 120                                               | 1.30                                         | 1000                      | 0.45                      | 1.5                   | 5.0                  | 2.5                   | EEUFC1A470( )  | 200                            | 2000                |
|                 | 82                         | 5         | 11     | 175                                               | 0.80                                         | 1000                      | 0.50                      | 2.0                   | 5.0                  | 2.5                   | EEUFC1A820( )  | 200                            | 2000                |
|                 |                            | 6.3       | 7      | 200                                               | 0.450                                        | 1000                      | 0.45                      | 2.5                   | 5.0                  | 2.5                   | EEAFC1A820( )  | 200                            | 2000                |
|                 | 100                        | 5         | 11     | 175                                               | 0.80                                         | 1000                      | 0.50                      | 2.0                   | 5.0                  | 2.5                   | EEUFC1A101S( ) | 200                            | 2000                |
|                 |                            | 5         | 15     | 235                                               | 0.50                                         | 1000                      | 0.50                      | 2.0                   | 5.0                  | 2.5                   | EEUFC1A101( )  | 200                            | 2000                |
|                 | 150                        | 6.3       | 11.2   | 290                                               | 0.350                                        | 1000                      | 0.50                      | 2.5                   | 5.0                  | 2.5                   | EEUFC1A151( )  | 200                            | 2000                |
|                 | 180                        | 6.3       | 11.2   | 290                                               | 0.350                                        | 1000                      | 0.50                      | 2.5                   | 5.0                  | 2.5                   | EEUFC1A181( )  | 200                            | 2000                |
|                 | 220                        | 6.3       | 11.2   | 290                                               | 0.350                                        | 1000                      | 0.50                      | 2.5                   | 5.0                  | 2.5                   | EEUFC1A221S( ) | 200                            | 2000                |
|                 |                            | 6.3       | 15     | 400                                               | 0.250                                        | 1000                      | 0.50                      | 2.5                   | 5.0                  | 2.5                   | EEUFC1A221( )  | 200                            | 2000                |
|                 | 330                        | 8         | 11.5   | 555                                               | 0.117                                        | 2000                      | 0.60                      | 3.5                   | 5.0                  |                       | EEUFC1A331( )  | 200                            | 1000                |
|                 | 390                        | 8         | 11.5   | 555                                               | 0.117                                        | 2000                      | 0.60                      | 3.5                   | 5.0                  |                       | EEUFC1A391( )  | 200                            | 1000                |
|                 | 470                        | 8         | 11.5   | 555                                               | 0.117                                        | 2000                      | 0.60                      | 3.5                   | 5.0                  |                       | EEUFC1A471( )  | 200                            | 1000                |
|                 | 560                        | 10        | 12.5   | 755                                               | 0.090                                        | 3000                      | 0.60                      | 5.0                   | 5.0                  |                       | EEUFC1A561     | 200                            | 500                 |
|                 | 680                        | 8         | 15     | 730                                               | 0.085                                        | 2000                      | 0.60                      | 3.5                   | 5.0                  |                       | EEUFC1A681L( ) | 200                            | 1000                |
|                 |                            | 10        | 12.5   | 755                                               | 0.090                                        | 3000                      | 0.60                      | 5.0                   | 5.0                  |                       | EEUFC1A681( )  | 200                            | 500                 |
|                 | 820                        | 10        | 16     | 1050                                              | 0.068                                        | 3000                      | 0.60                      | 5.0                   | 5.0                  |                       | EEUFC1A821( )  | 200                            | 500                 |
|                 | 1000                       | 8         | 20     | 995                                               | 0.065                                        | 2000                      | 0.60                      | 3.5                   | 5.0                  |                       | EEUFC1A102L( ) | 200                            | 1000                |
|                 |                            | 10        | 16     | 1050                                              | 0.068                                        | 3000                      | 0.60                      | 5.0                   | 5.0                  |                       | EEUFC1A102( )  | 200                            | 500                 |
|                 | 1200                       | 10        | 20     | 1220                                              | 0.052                                        | 3000                      | 0.60                      | 5.0                   | 5.0                  |                       | EEUFC1A122( )  | 200                            | 500                 |
|                 |                            | 12.5      | 15     | 1205                                              | 0.065                                        | 5000                      | 0.60                      | 5.0                   | 5.0                  |                       | EEUFC1A122S( ) | 200                            | 500                 |
|                 | 1500                       | 10        | 25     | 1440                                              | 0.045                                        | 3000                      | 0.60                      | 5.0                   | 5.0                  |                       | EEUFC1A152( )  | 200                            | 500                 |
|                 | 1800                       | 12.5      | 20     | 1655                                              | 0.038                                        | 5000                      | 0.60                      | 5.0                   | 5.0                  |                       | EEUFC1A182( )  | 200                            | 500                 |
|                 |                            | 16        | 15     | 1690                                              | 0.043                                        | 5000                      | 0.80                      | 7.5                   | 7.5                  |                       | EEUFC1A182S( ) | 100                            | 250                 |
|                 | 2200                       | 10        | 30     | 1815                                              | 0.035                                        | 3000                      | 0.60                      | 5.0                   |                      |                       | EEUFC1A222L    | 100                            |                     |
|                 |                            | 12.5      | 20     | 1655                                              | 0.038                                        | 5000                      | 0.60                      | 5.0                   | 5.0                  |                       | EEUFC1A222( )  | 200                            | 500                 |
|                 | 2700                       | 12.5      | 25     | 1945                                              | 0.030                                        | 5000                      | 0.60                      | 5.0                   | 5.0                  |                       | EEUFC1A272( )  | 200                            | 500                 |
|                 |                            | 18        | 15     | 2000                                              | 0.038                                        | 5000                      | 0.80                      | 7.5                   | 7.5                  |                       | EEUFC1A272S( ) | 100                            | 250                 |
|                 | 3300                       | 12.5      | 30     | 2310                                              | 0.025                                        | 5000                      | 0.80                      | 5.0                   |                      |                       | EEUFC1A332     | 100                            |                     |
|                 |                            | 16        | 20     | 2205                                              | 0.029                                        | 5000                      | 0.80                      | 7.5                   | 7.5                  |                       | EEUFC1A332S( ) | 100                            | 250                 |
|                 | 3900                       | 12.5      | 35     | 2510                                              | 0.022                                        | 5000                      | 0.80                      | 5.0                   |                      |                       | EEUFC1A392L    | 100                            |                     |
|                 |                            | 16        | 20     | 2205                                              | 0.029                                        | 5000                      | 0.80                      | 7.5                   | 7.5                  |                       | EEUFC1A392( )  | 100                            | 250                 |
|                 | 4700                       | 12.5      | 40     | 2655                                              | 0.018                                        | 5000                      | 0.80                      | 5.0                   |                      |                       | EEUFC1A472L    | 100                            |                     |
|                 |                            | 16        | 25     | 2555                                              | 0.022                                        | 5000                      | 0.80                      | 7.5                   | 7.5                  |                       | EEUFC1A472( )  | 100                            | 250                 |
|                 | 5600                       | 16        | 25     | 2555                                              | 0.022                                        | 5000                      | 0.80                      | 7.5                   | 7.5                  |                       | EEUFC1A562( )  | 100                            | 250                 |
|                 |                            | 18        | 20     | 2490                                              | 0.028                                        | 5000                      | 0.80                      | 7.5                   | 7.5                  |                       | EEUFC1A562S( ) | 100                            | 250                 |
|                 | 6800                       | 16        | 31.5   | 3010                                              | 0.018                                        | 5000                      | 0.80                      | 7.5                   |                      |                       | EEUFC1A682     | 100                            |                     |
|                 |                            | 18        | 25     | 2740                                              | 0.020                                        | 5000                      | 0.80                      | 7.5                   | 7.5                  |                       | EEUFC1A682S( ) | 100                            | 250                 |
|                 | 8200                       | 16        | 35.5   | 3150                                              | 0.016                                        | 5000                      | 0.80                      | 7.5                   |                      |                       | EEUFC1A822L    | 100                            |                     |
|                 |                            | 18        | 31.5   | 3635                                              | 0.016                                        | 5000                      | 0.80                      | 7.5                   |                      |                       | EEUFC1A822     | 50                             |                     |
|                 | 10000                      | 18        | 35.5   | 3680                                              | 0.015                                        | 5000                      | 0.80                      | 7.5                   |                      |                       | EEUFC1A103     | 50                             |                     |
|                 | 12000                      | 18        | 40     | 3735                                              | 0.014                                        | 5000                      | 0.80                      | 7.5                   |                      |                       | EEUFC1A123     | 50                             |                     |

When requesting taped product, please put the letter "B" or "H" between the "( )". Lead wire pitch B=5mm, 7.5mm. H=2.5mm.

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Whenever a doubt about safety arises from this product, please contact us immediately for technical consultation.

# Panasonic

## Aluminum Electrolytic Capacitors/FC

### ■ Standard Products

| W.V. | Cap.<br>(±20%) | Case size |        | Specification                                     |                                              |                           | Lead Length  |            |              |              | Part No.       | Min.PackagingQty  |        |
|------|----------------|-----------|--------|---------------------------------------------------|----------------------------------------------|---------------------------|--------------|------------|--------------|--------------|----------------|-------------------|--------|
|      |                | Dia.      | Length | Ripple<br>current<br>(100kHz)<br>(+105°C)<br>(mA) | Imped-<br>ance<br>(100kHz)<br>(+20°C)<br>(Ω) | Endur-<br>ance<br>(hours) | Lead<br>Dia. | Lead Space |              |              |                | Straight<br>Leads | Taping |
|      |                |           |        |                                                   |                                              |                           |              | Straight   | Taping<br>※B | Taping<br>※H |                |                   |        |
| (V)  | (μF)           | (mm)      | (mm)   |                                                   |                                              |                           | (m m)        | (m m)      | (mm)         | (m m)        |                | (pcs)             | (pcs)  |
| 16   | 15             | 4         | 7      | 65                                                | 2.0                                          | 1000                      | 0.45         | 1.5        | 5.0          | 2.5          | EEAFC1C150( )  | 200               | 2000   |
|      | 27             | 5         | 7      | 120                                               | 0.950                                        | 1000                      | 0.45         | 2.0        | 5.0          | 2.5          | EEAFC1C270( )  | 200               | 2000   |
|      | 39             | 4         | 11     | 120                                               | 1.30                                         | 1000                      | 0.45         | 1.5        | 5.0          | 2.5          | EEUFC1C390( )  | 200               | 2000   |
|      | 47             | 5         | 11     | 175                                               | 0.80                                         | 1000                      | 0.50         | 2.0        | 5.0          | 2.5          | EEUFC1C470( )  | 200               | 2000   |
|      | 56             | 5         | 11     | 175                                               | 0.80                                         | 1000                      | 0.50         | 2.0        | 5.0          | 2.5          | EEUFC1C560( )  | 200               | 2000   |
|      |                | 6.3       | 7      | 200                                               | 0.450                                        | 1000                      | 0.45         | 2.5        | 5.0          | 2.5          | EEAFC1C560( )  | 200               | 2000   |
|      | 68             | 5         | 11     | 175                                               | 0.80                                         | 1000                      | 0.50         | 2.0        | 5.0          | 2.5          | EEUFC1C680( )  | 200               | 2000   |
|      | 82             | 5         | 15     | 235                                               | 0.50                                         | 1000                      | 0.50         | 2.0        | 5.0          | 2.5          | EEUFC1C820( )  | 200               | 2000   |
|      | 100            | 6.3       | 11.2   | 290                                               | 0.350                                        | 1000                      | 0.50         | 2.5        | 5.0          | 2.5          | EEUFC1C101( )  | 200               | 2000   |
|      | 120            | 6.3       | 11.2   | 290                                               | 0.350                                        | 1000                      | 0.50         | 2.5        | 5.0          | 2.5          | EEUFC1C121( )  | 200               | 2000   |
|      | 180            | 6.3       | 15     | 400                                               | 0.250                                        | 1000                      | 0.50         | 2.5        | 5.0          | 2.5          | EEUFC1C181( )  | 200               | 2000   |
|      | 220            | 8         | 11.5   | 555                                               | 0.117                                        | 2000                      | 0.60         | 3.5        | 5.0          |              | EEUFC1C221( )  | 200               | 1000   |
|      | 270            | 8         | 11.5   | 555                                               | 0.117                                        | 2000                      | 0.60         | 3.5        | 5.0          |              | EEUFC1C271( )  | 200               | 1000   |
|      | 330            | 8         | 11.5   | 555                                               | 0.117                                        | 2000                      | 0.60         | 3.5        | 5.0          |              | EEUFC1C331( )  | 200               | 1000   |
|      | 390            | 10        | 12.5   | 755                                               | 0.090                                        | 3000                      | 0.60         | 5.0        | 5.0          |              | EEUFC1C391( )  | 200               | 500    |
|      | 470            | 8         | 15     | 730                                               | 0.085                                        | 2000                      | 0.60         | 3.5        | 5.0          |              | EEUFC1C471L( ) | 200               | 1000   |
|      |                | 10        | 12.5   | 755                                               | 0.090                                        | 3000                      | 0.60         | 5.0        | 5.0          |              | EEUFC1C471( )  | 200               | 500    |
|      | 560            | 10        | 16     | 1050                                              | 0.068                                        | 3000                      | 0.60         | 5.0        | 5.0          |              | EEUFC1C561( )  | 200               | 500    |
|      | 680            | 8         | 20     | 995                                               | 0.065                                        | 2000                      | 0.60         | 3.5        | 5.0          |              | EEUFC1C681L( ) | 200               | 1000   |
|      |                | 10        | 16     | 1050                                              | 0.068                                        | 3000                      | 0.60         | 5.0        | 5.0          |              | EEUFC1C681( )  | 200               | 500    |
|      | 820            | 10        | 20     | 1220                                              | 0.052                                        | 3000                      | 0.60         | 5.0        | 5.0          |              | EEUFC1C821( )  | 200               | 500    |
|      |                | 12.5      | 15     | 1205                                              | 0.065                                        | 5000                      | 0.60         | 5.0        | 5.0          |              | EEUFC1C821S( ) | 200               | 500    |
|      | 1000           | 10        | 20     | 1220                                              | 0.052                                        | 3000                      | 0.60         | 5.0        | 5.0          |              | EEUFC1C102S( ) | 200               | 500    |
|      |                | 10        | 25     | 1440                                              | 0.045                                        | 3000                      | 0.60         | 5.0        | 5.0          |              | EEUFC1C102( )  | 200               | 500    |
|      | 1200           | 10        | 25     | 1440                                              | 0.045                                        | 3000                      | 0.60         | 5.0        | 5.0          |              | EEUFC1C122( )  | 200               | 500    |
|      |                | 16        | 15     | 1690                                              | 0.043                                        | 5000                      | 0.80         | 7.5        | 7.5          |              | EEUFC1C122S( ) | 100               | 250    |
|      | 1500           | 10        | 30     | 1815                                              | 0.035                                        | 3000                      | 0.60         | 5.0        |              |              | EEUFC1C152L    | 100               |        |
|      |                | 12.5      | 20     | 1655                                              | 0.038                                        | 5000                      | 0.60         | 5.0        | 5.0          |              | EEUFC1C152( )  | 200               | 500    |
|      |                | 16        | 15     | 1690                                              | 0.043                                        | 5000                      | 0.80         | 7.5        | 7.5          |              | EEUFC1C152S( ) | 100               | 250    |
|      | 1800           | 12.5      | 25     | 1945                                              | 0.030                                        | 5000                      | 0.60         | 5.0        | 5.0          |              | EEUFC1C182( )  | 200               | 500    |
|      |                | 18        | 15     | 2000                                              | 0.038                                        | 5000                      | 0.80         | 7.5        | 7.5          |              | EEUFC1C182S( ) | 100               | 250    |
|      | 2200           | 12.5      | 25     | 1945                                              | 0.030                                        | 5000                      | 0.60         | 5.0        | 5.0          |              | EEUFC1C222( )  | 200               | 500    |
|      |                | 16        | 20     | 2205                                              | 0.029                                        | 5000                      | 0.80         | 7.5        | 7.5          |              | EEUFC1C222S( ) | 100               | 250    |
|      | 2700           | 12.5      | 30     | 2310                                              | 0.025                                        | 5000                      | 0.80         | 5.0        |              |              | EEUFC1C272L    | 100               |        |
|      |                | 16        | 20     | 2205                                              | 0.029                                        | 5000                      | 0.80         | 7.5        | 7.5          |              | EEUFC1C272( )  | 100               | 250    |
|      | 3300           | 12.5      | 35     | 2510                                              | 0.022                                        | 5000                      | 0.80         | 5.0        |              |              | EEUFC1C332     | 100               |        |
|      |                | 18        | 20     | 2490                                              | 0.028                                        | 5000                      | 0.80         | 7.5        | 7.5          |              | EEUFC1C332S( ) | 100               | 250    |
|      | 3900           | 16        | 25     | 2555                                              | 0.022                                        | 5000                      | 0.80         | 7.5        | 7.5          |              | EEUFC1C392( )  | 100               | 250    |
|      |                | 18        | 20     | 2490                                              | 0.028                                        | 5000                      | 0.80         | 7.5        | 7.5          |              | EEUFC1C392S    | 100               | 250    |
|      | 4700           | 16        | 31.5   | 3010                                              | 0.018                                        | 5000                      | 0.80         | 7.5        |              |              | EEUFC1C472     | 100               |        |
|      |                | 18        | 25     | 2740                                              | 0.020                                        | 5000                      | 0.80         | 7.5        | 7.5          |              | EEUFC1C472S( ) | 100               | 250    |
|      | 5600           | 16        | 35.5   | 3150                                              | 0.016                                        | 5000                      | 0.80         | 7.5        |              |              | EEUFC1C562L    | 100               |        |
|      |                | 18        | 31.5   | 3635                                              | 0.016                                        | 5000                      | 0.80         | 7.5        |              |              | EEUFC1C562     | 50                |        |

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H=2.5mm.

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# Panasonic

## Aluminum Electrolytic Capacitors/FC

### Standard Products

| W.V. | Cap.<br>(±20%) | Case size |        | Specification                                  |                                         |                      | Lead Length |            |              |              | Part No.       | Min.Packaging Qty |        |
|------|----------------|-----------|--------|------------------------------------------------|-----------------------------------------|----------------------|-------------|------------|--------------|--------------|----------------|-------------------|--------|
|      |                | Dia.      | Length | Ripple current<br>(100kHz)<br>(+105°C)<br>(mA) | Impedance<br>(100kHz)<br>(+20°C)<br>(Ω) | Endurance<br>(hours) | Lead Dia.   | Lead Space |              |              |                | Straight Leads    | Taping |
|      |                |           |        |                                                |                                         |                      |             | Straight   | Taping<br>*B | Taping<br>*H |                |                   |        |
| (V)  | (μF)           | (mm)      | (mm)   |                                                |                                         |                      | (m m)       | (mm)       | (mm)         | (mm)         |                | (pcs)             | (pcs)  |
| 16   | 6800           | 16        | 40     | 3360                                           | 0.015                                   | 5000                 | 0.80        | 7.5        |              |              | EEUFC1C682     | 100               |        |
|      | 8200           | 18        | 35.5   | 3680                                           | 0.015                                   | 5000                 | 0.80        | 7.5        |              |              | EEUFC1C822     | 50                |        |
| 25   | 10             | 4         | 7      | 65                                             | 2.0                                     | 1000                 | 0.45        | 1.5        | 5.0          | 2.5          | EEAFC1E100( )  | 200               | 2000   |
|      | 22             | 5         | 7      | 120                                            | 0.950                                   | 1000                 | 0.45        | 2.0        | 5.0          | 2.5          | EEAFC1E220( )  | 200               | 2000   |
|      | 27             | 4         | 11     | 120                                            | 1.30                                    | 1000                 | 0.45        | 1.5        | 5.0          | 2.5          | EEUFC1E270( )  | 200               | 2000   |
|      | 39             | 5         | 11     | 175                                            | 0.80                                    | 1000                 | 0.50        | 2.0        | 5.0          | 2.5          | EEUFC1E390( )  | 200               | 2000   |
|      |                | 6.3       | 7      | 200                                            | 0.450                                   | 1000                 | 0.45        | 2.5        | 5.0          | 2.5          | EEAFC1E390( )  | 200               | 2000   |
|      | 47             | 5         | 11     | 175                                            | 0.80                                    | 1000                 | 0.50        | 2.0        | 5.0          | 2.5          | EEUFC1E470( )  | 200               | 2000   |
|      | 56             | 5         | 15     | 235                                            | 0.50                                    | 1000                 | 0.50        | 2.0        | 5.0          | 2.5          | EEUFC1E560( )  | 200               | 2000   |
|      | 82             | 6.3       | 11.2   | 290                                            | 0.350                                   | 1000                 | 0.50        | 2.5        | 5.0          | 2.5          | EEUFC1C820( )  | 200               | 2000   |
|      | 100            | 6.3       | 11.2   | 290                                            | 0.350                                   | 1000                 | 0.50        | 2.5        | 5.0          | 2.5          | EEUFC1E101S( ) | 200               | 2000   |
|      | 120            | 6.3       | 15     | 400                                            | 0.250                                   | 1000                 | 0.50        | 2.5        | 5.0          | 2.5          | EEUFC1E121( )  | 200               | 2000   |
|      | 180            | 8         | 11.5   | 555                                            | 0.117                                   | 2000                 | 0.60        | 3.5        | 5.0          |              | EEUFC1E181( )  | 200               | 1000   |
|      | 220            | 8         | 11.5   | 555                                            | 0.117                                   | 2000                 | 0.60        | 3.5        | 5.0          |              | EEUFC1E221( )  | 200               | 1000   |
|      | 270            | 10        | 12.5   | 755                                            | 0.090                                   | 3000                 | 0.60        | 5.0        | 5.0          |              | EEUFC1E271( )  | 200               | 500    |
|      | 330            | 8         | 15     | 730                                            | 0.085                                   | 2000                 | 0.60        | 3.5        | 5.0          |              | EEUFC1E331L( ) | 200               | 1000   |
|      |                | 10        | 12.5   | 755                                            | 0.090                                   | 3000                 | 0.60        | 5.0        | 5.0          |              | EEUFC1E331( )  | 200               | 500    |
|      | 390            | 10        | 16     | 1050                                           | 0.068                                   | 3000                 | 0.60        | 5.0        | 5.0          |              | EEUFC1E391( )  | 200               | 500    |
|      | 470            | 8         | 20     | 995                                            | 0.065                                   | 2000                 | 0.60        | 3.5        | 5.0          |              | EEUFC1E471L( ) | 200               | 1000   |
|      |                | 10        | 16     | 1050                                           | 0.068                                   | 3000                 | 0.60        | 5.0        | 5.0          |              | EEUFC1E471( )  | 200               | 500    |
|      | 560            | 10        | 20     | 1220                                           | 0.052                                   | 3000                 | 0.60        | 5.0        | 5.0          |              | EEUFC1E561( )  | 200               | 500    |
|      |                | 12.5      | 15     | 1205                                           | 0.065                                   | 5000                 | 0.60        | 5.0        | 5.0          |              | EEUFC1E561S( ) | 200               | 500    |
|      | 680            | 10        | 20     | 1220                                           | 0.052                                   | 3000                 | 0.60        | 5.0        | 5.0          |              | EEUFC1E681( )  | 200               | 500    |
|      | 820            | 10        | 25     | 1440                                           | 0.045                                   | 3000                 | 0.60        | 5.0        | 5.0          |              | EEUFC1E821( )  | 200               | 500    |
|      |                | 12.5      | 20     | 1655                                           | 0.038                                   | 5000                 | 0.60        | 5.0        | 5.0          |              | EEUFC1E821S( ) | 200               | 500    |
|      | 1000           | 10        | 30     | 1815                                           | 0.035                                   | 3000                 | 0.60        | 5.0        |              |              | EEUFC1E102L    | 100               |        |
|      |                | 12.5      | 20     | 1655                                           | 0.038                                   | 5000                 | 0.60        | 5.0        | 5.0          |              | EEUFC1E102( )  | 200               | 500    |
|      |                | 16        | 15     | 1690                                           | 0.043                                   | 5000                 | 0.80        | 7.5        | 7.5          |              | EEUFC1E102S( ) | 100               | 250    |
|      | 1200           | 12.5      | 25     | 1945                                           | 0.030                                   | 5000                 | 0.60        | 5.0        | 5.0          |              | EEUFC1E122( )  | 200               | 500    |
|      |                | 18        | 15     | 2000                                           | 0.038                                   | 5000                 | 0.80        | 7.5        | 7.5          |              | EEUFC1E122S( ) | 100               | 250    |
|      | 1500           | 12.5      | 25     | 1945                                           | 0.030                                   | 5000                 | 0.60        | 5.0        | 5.0          |              | EEUFC1E152( )  | 200               | 500    |
|      |                | 16        | 20     | 2205                                           | 0.029                                   | 5000                 | 0.80        | 7.5        | 7.5          |              | EEUFC1E152S( ) | 100               | 250    |
|      | 1800           | 12.5      | 30     | 2310                                           | 0.025                                   | 5000                 | 0.80        | 5.0        |              |              | EEUFC1E182L    | 100               |        |
|      |                | 16        | 20     | 2205                                           | 0.029                                   | 5000                 | 0.80        | 7.5        | 7.5          |              | EEUFC1E182( )  | 100               | 250    |
|      | 2200           | 12.5      | 35     | 2510                                           | 0.022                                   | 5000                 | 0.80        | 5.0        |              |              | EEUFC1E222     | 100               |        |
|      |                | 18        | 20     | 2490                                           | 0.028                                   | 5000                 | 0.80        | 7.5        | 7.5          |              | EEUFC1E222S( ) | 100               | 250    |
|      | 2700           | 16        | 25     | 2555                                           | 0.022                                   | 5000                 | 0.80        | 7.5        | 7.5          |              | EEUFC1E272( )  | 100               | 250    |
|      | 3300           | 16        | 31.5   | 3010                                           | 0.018                                   | 5000                 | 0.80        | 7.5        |              |              | EEUFC1E332     | 100               |        |
|      |                | 18        | 25     | 2740                                           | 0.020                                   | 5000                 | 0.80        | 7.5        | 7.5          |              | EEUFC1E332S( ) | 100               | 250    |
|      | 3900           | 16        | 35.5   | 3150                                           | 0.016                                   | 5000                 | 0.80        | 7.5        |              |              | EEUFC1E392L    | 100               |        |
|      |                | 18        | 31.5   | 3635                                           | 0.016                                   | 5000                 | 0.80        | 7.5        |              |              | EEUFC1E392     | 50                |        |
|      | 4700           | 18        | 35.5   | 3680                                           | 0.015                                   | 5000                 | 0.80        | 7.5        |              |              | EEUFC1E472     | 50                |        |
|      | 5600           | 18        | 40     | 3735                                           | 0.014                                   | 5000                 | 0.80        | 7.5        |              |              | EEUFC1E562     | 50                |        |

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H=2.5mm.

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# Panasonic

## Aluminum Electrolytic Capacitors/FC

### ■ Standard Products

| W.V. | Cap.<br>(±20%) | Case size |        | Specification                                  |                                         |                      | Lead Length |            |              |              | Part No.       | Min. Packaging Qty |        |
|------|----------------|-----------|--------|------------------------------------------------|-----------------------------------------|----------------------|-------------|------------|--------------|--------------|----------------|--------------------|--------|
|      |                | Dia.      | Length | Ripple current<br>(100kHz)<br>(+105°C)<br>(mA) | Impedance<br>(100kHz)<br>(+20°C)<br>(Ω) | Endurance<br>(hours) | Lead Dia.   | Lead Space |              |              |                | Straight Leads     | Taping |
|      |                |           |        |                                                |                                         |                      |             | Straight   | Taping<br>※B | Taping<br>※H |                |                    |        |
| (V)  | (μF)           | (mm)      | (mm)   |                                                |                                         |                      | (mm)        | (mm)       | (mm)         | (mm)         |                | (pcs)              | (pcs)  |
| 35   | 68             | 4         | 7      | 65                                             | 2.000                                   | 1000                 | 0.45        | 1.5        | 5.0          | 2.5          | EEAFC1V6R8( )  | 200                | 2000   |
|      | 12             | 5         | 7      | 120                                            | 0.950                                   | 1000                 | 0.45        | 2.0        | 5.0          | 2.5          | EEAFC1V120( )  | 200                | 2000   |
|      | 18             | 4         | 11     | 120                                            | 1.300                                   | 1000                 | 0.45        | 1.5        | 5.0          | 2.5          | EEUFC1V180( )  | 200                | 2000   |
|      | 22             | 5         | 11     | 175                                            | 0.800                                   | 1000                 | 0.50        | 2.0        | 5.0          | 2.5          | EEUFC1V220( )  | 200                | 2000   |
|      | 27             | 5         | 11     | 175                                            | 0.800                                   | 1000                 | 0.50        | 2.0        | 5.0          | 2.5          | EEUFC1V270( )  | 200                | 2000   |
|      |                | 6.3       | 7      | 200                                            | 0.450                                   | 1000                 | 0.45        | 2.5        | 5.0          | 2.5          | EEAFC1V270( )  | 200                | 2000   |
|      | 33             | 5         | 11     | 175                                            | 0.080                                   | 1000                 | 0.50        | 2.0        | 5.0          | 2.5          | EEUFC1V330( )  | 200                | 2000   |
|      | 39             | 5         | 15     | 235                                            | 0.500                                   | 1000                 | 0.50        | 2.0        | 5.0          | 2.5          | EEUFC1V390( )  | 200                | 2000   |
|      | 47             | 6.3       | 11.2   | 290                                            | 0.350                                   | 1000                 | 0.50        | 2.5        | 5.0          | 2.5          | EEUFC1V470( )  | 200                | 2000   |
|      | 56             | 6.3       | 11.2   | 290                                            | 0.350                                   | 1000                 | 0.50        | 2.5        | 5.0          | 2.5          | EEUFC1V560( )  | 200                | 2000   |
|      | 68             | 6.3       | 11.2   | 290                                            | 0.350                                   | 1000                 | 0.50        | 2.5        | 5.0          | 2.5          | EEUFC1V680( )  | 200                | 2000   |
|      | 82             | 6.3       | 15     | 400                                            | 0.250                                   | 1000                 | 0.50        | 2.5        | 5.0          | 2.5          | EEUFC1V820( )  | 200                | 2000   |
|      | 100            | 8         | 11.5   | 555                                            | 0.117                                   | 2000                 | 0.60        | 3.5        | 5.0          |              | EEUFC1V101( )  | 200                | 1000   |
|      | 120            | 8         | 11.5   | 555                                            | 0.117                                   | 2000                 | 0.60        | 3.5        | 5.0          |              | EEUFC1V121( )  | 200                | 1000   |
|      | 150            | 8         | 11.5   | 555                                            | 0.117                                   | 2000                 | 0.60        | 3.5        | 5.0          |              | EEUFC1V151( )  | 200                | 1000   |
|      | 180            | 10        | 12.5   | 755                                            | 0.090                                   | 3000                 | 0.60        | 5.0        | 5.0          |              | EEUFC1V181( )  | 200                | 500    |
|      | 220            | 8         | 15     | 730                                            | 0.085                                   | 2000                 | 0.60        | 3.5        | 5.0          |              | EEUFC1V221L( ) | 200                | 1000   |
|      |                | 10        | 12.5   | 755                                            | 0.090                                   | 3000                 | 0.60        | 5.0        | 5.0          |              | EEUFC1V221( )  | 200                | 500    |
|      | 270            | 10        | 16     | 1050                                           | 0.068                                   | 3000                 | 0.60        | 5.0        | 5.0          |              | EEUFC1V271( )  | 200                | 500    |
|      | 330            | 8         | 20     | 995                                            | 0.065                                   | 2000                 | 0.60        | 3.5        | 5.0          |              | EEUFC1V331L( ) | 200                | 1000   |
|      |                | 10        | 16     | 1050                                           | 0.068                                   | 3000                 | 0.60        | 5.0        | 5.0          |              | EEUFC1V331( )  | 200                | 500    |
|      | 390            | 10        | 20     | 1220                                           | 0.052                                   | 3000                 | 0.60        | 5.0        | 5.0          |              | EEUFC1V391( )  | 200                | 500    |
|      |                | 12.5      | 15     | 1205                                           | 0.065                                   | 5000                 | 0.60        | 5.0        | 5.0          |              | EEUFC1V391S( ) | 200                | 500    |
|      | 470            | 10        | 20     | 1220                                           | 0.052                                   | 3000                 | 0.60        | 5.0        | 5.0          |              | EEUFC1V471( )  | 200                | 500    |
|      | 560            | 10        | 25     | 1440                                           | 0.045                                   | 3000                 | 0.60        | 5.0        | 5.0          |              | EEUFC1V561( )  | 200                | 500    |
|      |                | 12.5      | 20     | 1655                                           | 0.038                                   | 5000                 | 0.60        | 5.0        | 5.0          |              | EEUFC1V561S( ) | 200                | 500    |
|      | 680            | 10        | 30     | 1815                                           | 0.035                                   | 3000                 | 0.60        | 5.0        |              |              | EEUFC1V681L    | 100                |        |
|      |                | 12.5      | 20     | 1655                                           | 0.038                                   | 5000                 | 0.60        | 5.0        | 5.0          |              | EEUFC1V681( )  | 200                | 500    |
|      |                | 16        | 15     | 1690                                           | 0.043                                   | 5000                 | 0.80        | 7.5        | 7.5          |              | EEUFC1V681S( ) | 100                | 250    |
|      | 820            | 12.5      | 25     | 1945                                           | 0.030                                   | 5000                 | 0.60        | 5.0        | 5.0          |              | EEUFC1V821L( ) | 200                | 500    |
|      |                | 18        | 15     | 2000                                           | 0.038                                   | 5000                 | 0.80        | 7.5        | 7.5          |              | EEUFC1V821( )  | 100                | 250    |
|      | 1000           | 12.5      | 25     | 1945                                           | 0.030                                   | 5000                 | 0.60        | 5.0        | 5.0          |              | EEUFC1V102( )  | 200                | 500    |
|      |                | 16        | 20     | 2205                                           | 0.029                                   | 5000                 | 0.80        | 7.5        | 7.5          |              | EEUFC1V102S( ) | 100                | 250    |
|      | 1200           | 12.5      | 30     | 2310                                           | 0.025                                   | 5000                 | 0.80        | 5.0        |              |              | EEUFC1V122L    | 100                |        |
|      |                | 16        | 20     | 2205                                           | 0.029                                   | 5000                 | 0.80        | 7.5        | 7.5          |              | EEUFC1V122( )  | 100                | 250    |
|      | 1500           | 12.5      | 35     | 2510                                           | 0.022                                   | 5000                 | 0.80        | 5.0        |              |              | EEUFC1V152L    | 100                |        |
|      |                | 16        | 25     | 2555                                           | 0.022                                   | 5000                 | 0.80        | 7.5        | 7.5          |              | EEUFC1V152( )  | 100                | 250    |
|      |                | 18        | 20     | 2490                                           | 0.028                                   | 5000                 | 0.80        | 7.5        | 7.5          |              | EEUFC1V152S( ) | 100                | 250    |
|      | 1800           | 12.5      | 40     | 2655                                           | 0.018                                   | 5000                 | 0.80        | 5.0        |              |              | EEUFC1V182L    | 100                |        |
|      |                | 16        | 25     | 2555                                           | 0.022                                   | 5000                 | 0.80        | 7.5        | 7.5          |              | EEUFC1V182( )  | 100                | 250    |
|      |                | 18        | 20     | 2490                                           | 0.028                                   | 5000                 | 0.80        | 7.5        | 7.5          |              | EEUFC1V182S( ) | 100                | 250    |
|      | 2200           | 16        | 31.5   | 3010                                           | 0.018                                   | 5000                 | 0.80        | 7.5        |              |              | EEUFC1V222     | 100                |        |
|      |                | 18        | 25     | 2740                                           | 0.020                                   | 5000                 | 0.80        | 7.5        | 7.5          |              | EEUFC1V222S( ) | 100                | 250    |

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■ Standard Products

| W.V. | Cap.<br>(±20%) | Case size |        | Specification                                    |                                             |                           | Lead Length  |            |              |              | Part No.       | Min.PackagingQty  |        |
|------|----------------|-----------|--------|--------------------------------------------------|---------------------------------------------|---------------------------|--------------|------------|--------------|--------------|----------------|-------------------|--------|
|      |                | Dia.      | Length | Ripple<br>current<br>(100kHz<br>(+105°C)<br>(mA) | Imped-<br>ance<br>(100kHz<br>(+20°C)<br>(Ω) | Endur-<br>ance<br>(hours) | Lead<br>Dia. | Lead Space |              |              |                | Straight<br>Leads | Taping |
|      |                |           |        |                                                  |                                             |                           |              | Straight   | Taping<br>*B | Taping<br>*H |                |                   |        |
| (V)  | (μF)           | (mm)      | (mm)   |                                                  |                                             |                           | (m m)        | (mm)       | (mm)         | (mm)         |                | (pcs)             | (pcs)  |
| 35   | 2700           | 16        | 35.5   | 3150                                             | 0.016                                       | 5000                      | 0.80         | 7.5        |              |              | EEUFC1V272L    | 100               |        |
|      |                | 18        | 31.5   | 3635                                             | 0.016                                       | 5000                      | 0.80         | 7.5        |              |              | EEUFC1V272     | 50                |        |
|      | 3300           | 18        | 35.5   | 3680                                             | 0.015                                       | 5000                      | 0.80         | 7.5        |              |              | EEUFC1V332     | 50                |        |
|      | 3900           | 18        | 40     | 3735                                             | 0.014                                       | 5000                      | 0.80         | 7.5        |              |              | EEUFC1V392     | 50                |        |
| 50   | 1.0            | 5         | 11     | 20                                               | 2.40                                        | 1000                      | 0.50         | 2.0        | 5.0          | 2.5          | EEUFC1H1R0( )  | 200               | 2000   |
|      | 2.2            | 5         | 11     | 45                                               | 1.30                                        | 1000                      | 0.50         | 2.0        | 5.0          | 2.5          | EEUFC1H2R2( )  | 200               | 2000   |
|      | 3.3            | 5         | 11     | 65                                               | 1.30                                        | 1000                      | 0.50         | 2.0        | 5.0          | 2.5          | EEUFC1H3R3( )  | 200               | 2000   |
|      | 4.7            | 5         | 11     | 95                                               | 1.30                                        | 1000                      | 0.50         | 2.0        | 5.0          | 2.5          | EEUFC1H4R7( )  | 200               | 2000   |
|      | 10             | 4         | 11     | 90                                               | 2.50                                        | 1000                      | 0.45         | 1.5        | 5.0          | 2.5          | EEUFC1H100( )  | 200               | 2000   |
|      |                | 5         | 11     | 125                                              | 1.30                                        | 1000                      | 0.50         | 2.0        | 5.0          | 2.5          | EEUFC1H100L( ) | 200               | 2000   |
|      | 12             | 5         | 11     | 135                                              | 1.30                                        | 1000                      | 0.50         | 2.0        | 5.0          | 2.5          | EEUFC1H120( )  | 200               | 2000   |
|      | 15             | 5         | 11     | 145                                              | 1.30                                        | 1000                      | 0.50         | 2.0        | 5.0          | 2.5          | EEUFC1H150( )  | 200               | 2000   |
|      | 18             | 5         | 11     | 155                                              | 1.30                                        | 1000                      | 0.50         | 2.0        | 5.0          | 2.5          | EEUFC1H180( )  | 200               | 2000   |
|      | 22             | 5         | 11     | 155                                              | 1.30                                        | 1000                      | 0.50         | 2.0        | 5.0          | 2.5          | EEUFC1H220( )  | 200               | 2000   |
|      | 27             | 5         | 15     | 215                                              | 0.90                                        | 1000                      | 0.50         | 2.0        | 5.0          | 2.5          | EEUFC1H270( )  | 200               | 2000   |
|      | 33             | 6.3       | 11.2   | 260                                              | 0.60                                        | 1000                      | 0.50         | 2.5        | 5.0          | 2.5          | EEUFC1H330( )  | 200               | 2000   |
|      | 39             | 6.3       | 11.2   | 260                                              | 0.60                                        | 1000                      | 0.50         | 2.5        | 5.0          | 2.5          | EEUFC1H390( )  | 200               | 2000   |
|      | 47             | 6.3       | 11.2   | 260                                              | 0.60                                        | 1000                      | 0.50         | 2.5        | 5.0          | 2.5          | EEUFC1H470( )  | 200               | 2000   |
|      | 56             | 6.3       | 15     | 360                                              | 0.40                                        | 1000                      | 0.50         | 2.5        | 5.0          | 2.5          | EEUFC1H560( )  | 200               | 2000   |
|      | 68             | 8         | 11.5   | 485                                              | 0.234                                       | 2000                      | 0.60         | 3.5        | 5.0          |              | EEUFC1H680( )  | 200               | 1000   |
|      | 82             | 8         | 11.5   | 485                                              | 0.234                                       | 2000                      | 0.60         | 3.5        | 5.0          |              | EEUFC1H820( )  | 200               | 1000   |
|      | 100            | 10        | 12.5   | 615                                              | 0.162                                       | 3000                      | 0.60         | 5.0        | 5.0          |              | EEUFC1H101( )  | 200               | 500    |
|      | 120            | 8         | 15     | 635                                              | 0.155                                       | 2000                      | 0.60         | 3.5        | 5.0          |              | EEUFC1H121L( ) | 200               | 1000   |
|      |                | 10        | 12.5   | 615                                              | 0.162                                       | 3000                      | 0.60         | 5.0        | 5.0          |              | EEUFC1H121( )  | 200               | 500    |
|      | 150            | 10        | 16     | 850                                              | 0.119                                       | 3000                      | 0.6          | 5.0        | 5.0          |              | EEUFC1H151( )  | 200               | 500    |
|      | 180            | 8         | 20     | 860                                              | 0.120                                       | 2000                      | 0.60         | 3.5        | 5.0          |              | EEUFC1H181L( ) | 200               | 1000   |
|      |                | 10        | 16     | 850                                              | 0.119                                       | 3000                      | 0.60         | 5.0        | 5.0          |              | EEUFC1H181( )  | 200               | 500    |
|      | 220            | 10        | 20     | 1030                                             | 0.090                                       | 3000                      | 0.60         | 5.0        | 5.0          |              | EEUFC1H221( )  | 200               | 500    |
|      |                | 12.5      | 15     | 1150                                             | 0.110                                       | 5000                      | 0.60         | 5.0        | 5.0          |              | EEUFC1H221S( ) | 200               | 500    |
|      | 270            | 10        | 25     | 1200                                             | 0.082                                       | 3000                      | 0.60         | 5.0        | 5.0          |              | EEUFC1H271( )  | 200               | 500    |
|      | 330            | 10        | 30     | 1610                                             | 0.060                                       | 3000                      | 0.60         | 5.0        |              |              | EEUFC1H331L    | 100               |        |
|      |                | 12.5      | 20     | 1480                                             | 0.063                                       | 5000                      | 0.60         | 5.0        | 5.0          |              | EEUFC1H331( )  | 200               | 500    |
|      | 390            | 12.5      | 20     | 1480                                             | 0.063                                       | 5000                      | 0.60         | 5.0        | 5.0          |              | EEUFC1H391( )  | 200               | 500    |
|      |                | 16        | 15     | 1610                                             | 0.080                                       | 5000                      | 0.80         | 7.5        | 7.5          |              | EEUFC1H391S( ) | 100               | 250    |
|      | 470            | 10        | 30     | 1610                                             | 0.060                                       | 3000                      | 0.60         | 5.0        |              |              | EEUFC1H471L    | 100               |        |
|      |                | 12.5      | 25     | 1832                                             | 0.050                                       | 5000                      | 0.60         | 5.0        | 5.0          |              | EEUFC1H471( )  | 200               | 500    |
|      | 560            | 12.5      | 25     | 1832                                             | 0.050                                       | 5000                      | 0.60         | 5.0        | 5.0          |              | EEUFC1H561( )  | 200               | 500    |
|      |                | 18        | 15     | 1900                                             | 0.068                                       | 5000                      | 0.80         | 7.5        | 7.5          |              | EEUFC1H561S( ) | 100               | 250    |
|      | 680            | 12.5      | 30     | 2215                                             | 0.040                                       | 5000                      | 0.80         | 5.0        |              |              | EEUFC1H681L    | 100               |        |
|      |                | 16        | 20     | 1835                                             | 0.048                                       | 5000                      | 0.80         | 7.5        | 7.5          |              | EEUFC1H681( )  | 100               | 250    |
|      | 820            | 12.5      | 35     | 2285                                             | 0.034                                       | 5000                      | 0.80         | 5.0        |              |              | EEUFC1H821L    | 100               |        |
|      |                | 18        | 20     | 2420                                             | 0.042                                       | 5000                      | 0.80         | 7.5        | 7.5          |              | EEUFC1H821( )  | 100               | 250    |
|      | 1000           | 12.5      | 40     | 2590                                             | 0.030                                       | 5000                      | 0.80         | 5.0        |              |              | EEUFC1H102L    | 100               |        |
|      |                | 16        | 25     | 2235                                             | 0.034                                       | 5000                      | 0.80         | 7.5        | 7.5          |              | EEUFC1H102( )  | 100               | 250    |

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| W.V. | Cap.<br>(±20%) | Case size |        | Specification                                  |                                         |                      | Lead Length |            |              |              | Part No.       | Min. Packaging Qty |        |
|------|----------------|-----------|--------|------------------------------------------------|-----------------------------------------|----------------------|-------------|------------|--------------|--------------|----------------|--------------------|--------|
|      |                | Dia.      | Length | Ripple current<br>(100kHz)<br>(+105°C)<br>(mA) | Impedance<br>(100kHz)<br>(+20°C)<br>(Ω) | Endurance<br>(hours) | Lead Dia.   | Lead Space |              |              |                | Straight Leads     | Taping |
|      |                |           |        |                                                |                                         |                      |             | Straight   | Taping<br>※B | Taping<br>※H |                |                    |        |
| (V)  | (μF)           | (mm)      | (mm)   | (mA)                                           | (Ω)                                     | (hours)              | (mm)        | (mm)       | (mm)         | (mm)         |                | (pcs)              | (pcs)  |
| 50   | 1200           | 16        | 31.5   | 2700                                           | 0.028                                   | 5000                 | 0.80        | 7.5        |              |              | EEUFC1H122     | 100                |        |
|      |                | 18        | 25     | 2610                                           | 0.029                                   | 5000                 | 0.80        | 7.5        | 7.5          |              | EEUFC1H122S( ) | 100                | 250    |
|      | 1500           | 16        | 35.5   | 2790                                           | 0.025                                   | 5000                 | 0.80        | 7.5        |              |              | EEUFC1H152L    | 100                |        |
|      | 1800           | 16        | 40     | 2845                                           | 0.023                                   | 5000                 | 0.80        | 7.5        |              |              | EEUFC1H182L    | 100                |        |
|      |                | 18        | 31.5   | 3000                                           | 0.025                                   | 5000                 | 0.80        | 7.5        |              |              | EEUFC1H182     | 50                 |        |
|      | 2200           | 18        | 35.5   | 3100                                           | 0.023                                   | 5000                 | 0.80        | 7.5        |              |              | EEUFC1H222     | 50                 |        |
| 63   | 6.8            | 4         | 11     | 80                                             | 3.50                                    | 1000                 | 0.45        | 1.5        | 5.0          | 2.5          | EEUFC1J6R8( )  | 200                | 2000   |
|      | 12             | 5         | 11     | 145                                            | 2.0                                     | 1000                 | 0.50        | 2.0        | 5.0          | 2.5          | EEUFC1J120( )  | 200                | 2000   |
|      | 18             | 5         | 15     | 200                                            | 1.30                                    | 1000                 | 0.50        | 2.0        | 5.0          | 2.5          | EEUFC1J180( )  | 200                | 2000   |
|      | 22             | 6.3       | 11.2   | 240                                            | 1.0                                     | 1000                 | 0.50        | 2.5        | 5.0          | 2.5          | EEUFC1J220( )  | 200                | 2000   |
|      | 33             | 6.3       | 11.2   | 240                                            | 1.0                                     | 1000                 | 0.50        | 2.5        | 5.0          | 2.5          | EEUFC1J330( )  | 200                | 2000   |
|      | 39             | 6.3       | 15     | 330                                            | 0.70                                    | 1000                 | 0.50        | 2.5        | 5.0          | 2.5          | EEUFC1J390( )  | 200                | 2000   |
|      | 47             | 8         | 11.5   | 405                                            | 0.342                                   | 2000                 | 0.60        | 3.5        | 5.0          |              | EEUFC1J470( )  | 200                | 1000   |
|      | 56             | 8         | 11.5   | 405                                            | 0.342                                   | 2000                 | 0.60        | 3.5        | 5.0          |              | EEUFC1J560( )  | 200                | 1000   |
|      | 68             | 8         | 11.5   | 405                                            | 0.342                                   | 2000                 | 0.60        | 3.5        | 5.0          |              | EEUFC1J680( )  | 200                | 1000   |
|      | 82             | 10        | 12.5   | 535                                            | 0.256                                   | 3000                 | 0.60        | 5.0        | 5.0          |              | EEUFC1J820( )  | 200                | 500    |
|      | 100            | 8         | 15     | 535                                            | 0.230                                   | 2000                 | 0.60        | 3.5        | 5.0          |              | EEUFC1J101L( ) | 200                | 1000   |
|      |                | 10        | 12.5   | 535                                            | 0.256                                   | 3000                 | 0.60        | 5.0        | 5.0          |              | EEUFC1J101( )  | 200                | 500    |
|      | 120            | 10        | 16     | 600                                            | 0.194                                   | 3000                 | 0.60        | 5.0        | 5.0          |              | EEUFC1J121( )  | 200                | 500    |
|      | 150            | 8         | 20     | 690                                            | 0.178                                   | 2000                 | 0.60        | 3.5        | 5.0          |              | EEUFC1J151( )  | 200                | 1000   |
|      | 180            | 10        | 20     | 885                                            | 0.147                                   | 3000                 | 0.60        | 5.0        | 5.0          |              | EEUFC1J181( )  | 200                | 500    |
|      |                | 12.5      | 15     | 1020                                           | 0.150                                   | 5000                 | 0.60        | 5.0        | 5.0          |              | EEUFC1J181S( ) | 200                | 500    |
|      | 220            | 10        | 20     | 885                                            | 0.147                                   | 3000                 | 0.60        | 5.0        | 5.0          |              | EEUFC1J221X( ) | 200                | 500    |
|      |                | 10        | 25     | 1050                                           | 0.130                                   | 3000                 | 0.60        | 5.0        | 5.0          |              | EEUFC1J221( )  | 200                | 500    |
|      |                | 12.5      | 20     | 1285                                           | 0.085                                   | 5000                 | 0.60        | 5.0        | 5.0          |              | EEUFC1J221S( ) | 200                | 500    |
|      | 270            | 16        | 15     | 1410                                           | 0.090                                   | 5000                 | 0.80        | 7.5        | 7.5          |              | EEUFC1J271( )  | 100                | 250    |
|      | 330            | 10        | 30     | 1300                                           | 0.090                                   | 3000                 | 0.60        | 5.0        |              |              | EEUFC1J331L    | 100                |        |
|      |                | 12.5      | 20     | 1285                                           | 0.085                                   | 5000                 | 0.60        | 5.0        | 5.0          |              | EEUFC1J331( )  | 200                | 500    |
|      | 390            | 12.5      | 25     | 1720                                           | 0.070                                   | 5000                 | 0.60        | 5.0        | 5.0          |              | EEUFC1J391( )  | 200                | 500    |
|      |                | 18        | 15     | 1690                                           | 0.086                                   | 5000                 | 0.80        | 7.5        | 7.5          |              | EEUFC1J391S( ) | 100                | 250    |
|      | 470            | 12.5      | 30     | 2090                                           | 0.055                                   | 5000                 | 0.80        | 5.0        |              |              | EEUFC1J471L    | 100                |        |
|      |                | 16        | 20     | 1765                                           | 0.059                                   | 5000                 | 0.80        | 7.5        | 7.5          |              | EEUFC1J471( )  | 100                | 250    |
|      | 560            | 16        | 25     | 2160                                           | 0.050                                   | 5000                 | 0.80        | 7.5        | 7.5          |              | EEUFC1J561( )  | 100                | 250    |
|      | 680            | 12.5      | 35     | 2265                                           | 0.047                                   | 5000                 | 0.80        | 5.0        |              |              | EEUFC1J681L    | 100                |        |
|      |                | 16        | 25     | 2160                                           | 0.050                                   | 5000                 | 0.80        | 7.5        | 7.5          |              | EEUFC1J681( )  | 100                | 250    |
|      |                | 18        | 20     | 2290                                           | 0.055                                   | 5000                 | 0.80        | 7.5        | 7.5          |              | EEUFC1J681S( ) | 100                | 250    |
|      | 820            | 12.5      | 40     | 2560                                           | 0.042                                   | 5000                 | 0.80        | 5.0        |              |              | EEUFC1J821L    | 100                |        |
|      |                | 16        | 31.5   | 2670                                           | 0.043                                   | 5000                 | 0.80        | 7.5        |              |              | EEUFC1J821     | 100                |        |
|      |                | 18        | 25     | 2585                                           | 0.043                                   | 5000                 | 0.80        | 7.5        | 7.5          |              | EEUFC1J821S( ) | 100                | 250    |
|      | 1000           | 16        | 31.5   | 2670                                           | 0.043                                   | 5000                 | 0.80        | 7.5        |              |              | EEUFC1J102U    | 100                |        |
|      |                | 16        | 35.5   | 2770                                           | 0.036                                   | 5000                 | 0.80        | 7.5        |              |              | EEUFC1J102     | 100                |        |
|      | 1200           | 16        | 40     | 2825                                           | 0.030                                   | 5000                 | 0.80        | 7.5        |              |              | EEUFC1J122L    | 100                |        |
|      |                | 18        | 31.5   | 2950                                           | 0.032                                   | 5000                 | 0.80        | 7.5        |              |              | EEUFC1J122     | 50                 |        |
|      | 1500           | 18        | 35.5   | 3095                                           | 0.030                                   | 5000                 | 0.80        | 7.5        |              |              | EEUFC1J152     | 50                 |        |
|      | 1800           | 18        | 40     | 3205                                           | 0.025                                   | 5000                 | 0.80        | 7.5        |              |              | EEUFC1J182     | 50                 |        |

When requesting taped product, please put the letter "B" or "H" between the "( )". Lead wire pitch B=5mm, 7.5mm. H=2.5mm.

 Design and specifications are subject to change without notice. Ask factory for technical specifications before purchase and/or use.  
 Whenever a doubt about safety arises from this product, please contact us immediately for technical consultation.