

# AXZ

查询"476AXZ050M"供应商

## +105°C Low Impedance Surface Mount Chip Aluminum Electrolytic Capacitors



### FEATURES

- Wide Capacitance Range 1.0 to 1,500  $\mu\text{F}$
- Solvent Proof
- Low Impedance
- Operating Voltage Range: 6.3WVDC to 50WVDC
- Extended Life

### SPECIFICATIONS

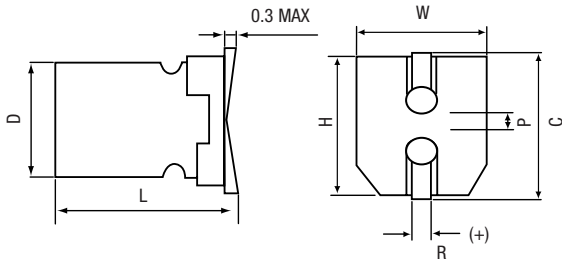
|                                                  |                                                                                                                                                                                    |                                                                                                       |     |     |     |     |     |
|--------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|-----|-----|-----|-----|-----|
| Capacitance Tolerance                            |                                                                                                                                                                                    | ±20% at 120Hz, 20°C                                                                                   |     |     |     |     |     |
| Operating Temperature Range                      |                                                                                                                                                                                    | -55°C to +105°C                                                                                       |     |     |     |     |     |
| Dissipation Factor<br>120Hz, 20°C (Max)<br>tan δ | WVDC                                                                                                                                                                               | 6.3                                                                                                   | 10  | 16  | 25  | 35  | 50  |
|                                                  | D=4~6.3                                                                                                                                                                            | .24                                                                                                   | .20 | .16 | .14 | .12 | .12 |
|                                                  | D=8,10                                                                                                                                                                             | .28                                                                                                   | .24 | .20 | .16 | .14 | .14 |
|                                                  |                                                                                                                                                                                    | Note: For above D.F. specifications, add .02 for every 1000 μF above 1000 μF                          |     |     |     |     |     |
| Leakage current                                  | Time                                                                                                                                                                               | 2 minutes                                                                                             |     |     |     |     |     |
|                                                  | L.C.                                                                                                                                                                               | .01 CV or 3μA, whichever is greater                                                                   |     |     |     |     |     |
| Impedance Ratio at Low Temperature (120Hz)       | -25°C/20°C                                                                                                                                                                         | 3                                                                                                     | 2   | 2   | 2   | 2   | 2   |
|                                                  | -40°C/20°C                                                                                                                                                                         | 5                                                                                                     | 4   | 4   | 3   | 3   | 3   |
| Load Life                                        | 2,000 hours at 105°C with rated voltage (D ≤ 6.3, 1000hrs.)                                                                                                                        |                                                                                                       |     |     |     |     |     |
|                                                  | Capacitance change<br>Dissipation factor<br>Leakage current                                                                                                                        | ≤ 25% of initial measured values<br>≤ 200% initial specified value<br>≤100% Initial specified value   |     |     |     |     |     |
| Shelf Life                                       | 1000 hours at 105°C with no applied voltage.                                                                                                                                       |                                                                                                       |     |     |     |     |     |
| Resistance to Soldering Heat                     | Capacitors placed on a 250°C hot plate for 30 seconds with their electrode terminals facing downward will fulfill the following conditions after being cooled to room temperature. |                                                                                                       |     |     |     |     |     |
|                                                  | Capacitance change<br>Dissipation factor<br>Leakage current                                                                                                                        | ≤ 10% of the initial measured value<br>≤ The initial specified value<br>≤ The Initial specified value |     |     |     |     |     |

**AXZ**+105°C Low Impedance  
Surface Mount  
Chip Aluminum  
Electrolytic Capacitors[查询"476AXZ050M"供应商](#)**PHYSICAL DIMENSIONS**

Surface Mount

| WVDC<br>(μF)<br>(SV) | 6.3<br>(7.9) | 10<br>(13) | 16<br>(20) | 25<br>(32) | 35<br>(44) | 50<br>(63) |
|----------------------|--------------|------------|------------|------------|------------|------------|
| 1                    |              |            |            |            |            | 4x5.8      |
| 2.2                  |              |            |            |            |            | 4x5.8      |
| 3.3                  |              |            |            |            |            | 4x5.8      |
| 4.7                  |              |            |            |            | 4x5.8      | 5x5.8      |
| 6.8                  |              |            |            |            |            | 5x5.8      |
| 10                   |              |            |            | 4x5.8      | 5x5.8      | 6.3x5.8    |
| 15                   |              |            | 4x5.8      |            | 5x5.8      | 6.3x5.8    |
| 22                   |              | 4x5.8      |            |            | 5x5.8      | 6.3x5.8    |
| 27                   | 4x5.8        |            | 5x5.8      |            | 6.3x5.8    | 6.3x7.7    |
| 33                   |              | 5x5.8      |            |            | 6.3x5.8    | 6.3x7.7    |
| 47                   | 5x5.8        |            |            |            | 6.3x5.8    | 6.3x7.7    |
| 56                   | 5x5.8        |            |            | 6.3x5.8    | 6.3x7.7    | 8x10.2     |
| 68                   |              |            |            | 6.3x5.8    | 6.3x7.7    | 8x10.2     |
| 100                  |              |            | 6.3x5.8    | 6.3x7.7    |            | 8x10.2     |
| 150                  |              | 6.3x5.8    | 6.3x7.7    |            | 8x10.2     | 10x10.2    |
| 220                  | 6.3x5.8      |            | 6.3x7.7    |            | 8x10.2     | 10x10.2    |
| 330                  | 6.3x7.7      |            | 10x7.7     | 8x10.2     | 10x10.2    |            |
| 470                  |              |            | 8x10.2     | 10x10.2    |            |            |
| 680                  | 8x10.2       |            | 10x10.2    |            |            |            |
| 1000                 | 8x10.2       | 10x10.2    |            |            |            |            |
| 1500                 | 10x10.2      |            |            |            |            |            |

DxL (mm)

**DIMENSIONS**

| D+0.5 MAX | L             | W±0.2 | H±0.2 | C±0.2 | R       | P±0.2 |
|-----------|---------------|-------|-------|-------|---------|-------|
| 4         | 5.8 +0.1/-0.2 | 4.3   | 4.3   | 5.0   | 0.5~0.8 | 1.0   |
| 5         | 5.8 +0.1/-0.2 | 5.3   | 5.3   | 6.0   | 0.5~0.8 | 1.4   |
| 6.3       | 5.8 +0.3 MAX  | 6.6   | 6.6   | 7.3   | 0.5~0.8 | 2.2   |
| 6.3       | 7.7 +0.3 MAX  | 6.6   | 6.6   | 7.3   | 0.5~0.8 | 2.2   |
| 8         | 10.2 +0.3 MAX | 8.3   | 8.3   | 9.0   | 0.7~1.0 | 3.2   |
| 10        | 10.2 +0.3 MAX | 10.3  | 10.3  | 11.0  | 0.7~1.0 | 4.6   |

(mm)

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## STANDARD PART LISTING

| Capacitance<br>(μF) | WVDC | IC <sup>®</sup> PART<br>NUMBER | Maximum<br>ESR<br>Ω<br>120Hz<br>+20°C | Impedance<br>Ω<br>100kHz<br>+20°C | Maximum<br>RMS Ripple<br>Current (mA)<br>at 100kHz,<br>+105°C | Dimensions<br>DxL<br>(mm) |
|---------------------|------|--------------------------------|---------------------------------------|-----------------------------------|---------------------------------------------------------------|---------------------------|
| 1                   | 50   | 105AXZ050M                     | 198.944                               | 5                                 | 30                                                            | 4x5.8                     |
| 2.2                 | 50   | 225AXZ050M                     | 90.429                                | 5                                 | 30                                                            | 4x5.8                     |
| 3.3                 | 50   | 335AXZ050M                     | 60.286                                | 5                                 | 30                                                            | 4x5.8                     |
| 4.7                 | 35   | 475AXZ035M                     | 42.328                                | 1.8                               | 80                                                            | 4x5.8                     |
| 4.7                 | 50   | 475AXZ050M                     | 42.328                                | 1.52                              | 85                                                            | 5x5.8                     |
| 6.8                 | 50   | 685AXZ050M                     | 29.256                                | 1.2                               | 120                                                           | 5x5.8                     |
| 10                  | 25   | 106AXZ025M                     | 23.210                                | 1.8                               | 80                                                            | 4x5.8                     |
| 10                  | 35   | 106AXZ035M                     | 19.894                                | .76                               | 150                                                           | 5x5.8                     |
| 10                  | 50   | 106AXZ050M                     | 19.894                                | .88                               | 165                                                           | 6.3x5.8                   |
| 15                  | 16   | 156AXZ016M                     | 17.684                                | 1.8                               | 80                                                            | 4x5.8                     |
| 15                  | 35   | 156AXZ035M                     | 13.263                                | .76                               | 150                                                           | 5x5.8                     |
| 15                  | 50   | 156AXZ050M                     | 13.263                                | .88                               | 165                                                           | 6.3x5.8                   |
| 22                  | 10   | 226AXZ010M                     | 15.071                                | 1.8                               | 80                                                            | 4x5.8                     |
| 22                  | 35   | 226AXZ035M                     | 9.043                                 | .76                               | 150                                                           | 5x5.8                     |
| 22                  | 50   | 226AXZ050M                     | 9.043                                 | .88                               | 165                                                           | 6.3x5.8                   |
| 27                  | 6.3  | 276AXZ6R3M                     | 14.737                                | 1.8                               | 80                                                            | 4x5.8                     |
| 27                  | 16   | 276AXZ016M                     | 9.824                                 | .76                               | 150                                                           | 5x5.8                     |
| 27                  | 35   | 276AXZ035M                     | 7.368                                 | .44                               | 230                                                           | 6.3x5.8                   |
| 27                  | 50   | 276AXZ050M                     | 7.368                                 | .68                               | 185                                                           | 6.3x7.7                   |
| 33                  | 10   | 336AXZ010M                     | 10.048                                | .76                               | 150                                                           | 5x5.8                     |
| 33                  | 35   | 336AXZ035M                     | 6.029                                 | .44                               | 230                                                           | 6.3x5.8                   |
| 33                  | 50   | 336AXZ050M                     | 6.029                                 | .68                               | 185                                                           | 6.3x7.7                   |
| 47                  | 6.3  | 476AXZ6R3M                     | 8.466                                 | .76                               | 150                                                           | 5x5.8                     |
| 47                  | 35   | 476AXZ035M                     | 4.233                                 | .44                               | 230                                                           | 6.3x5.8                   |
| 47                  | 50   | 476AXZ050M                     | 4.233                                 | .68                               | 185                                                           | 6.3x7.7                   |
| 56                  | 6.3  | 566AXZ6R3M                     | 7.105                                 | .76                               | 150                                                           | 5x5.8                     |
| 56                  | 25   | 566AXZ025M                     | 4.145                                 | .44                               | 230                                                           | 6.3x5.8                   |

| Capacitance<br>(μF) | WVDC | IC <sup>®</sup> PART<br>NUMBER | Maximum<br>ESR<br>Ω<br>120Hz<br>+20°C | Impedance<br>Ω<br>100kHz<br>+20°C | Maximum<br>RMS Ripple<br>Current (mA)<br>at 100kHz,<br>+105°C | Dimensions<br>DxL<br>(mm) |
|---------------------|------|--------------------------------|---------------------------------------|-----------------------------------|---------------------------------------------------------------|---------------------------|
| 56                  | 35   | 566AXZ035M                     | 3.553                                 | .34                               | 280                                                           | 6.3x7.7                   |
| 56                  | 50   | 566AXZ050M                     | 4.145                                 | .34                               | 300                                                           | 8x10.2                    |
| 68                  | 25   | 686AXZ025M                     | 3.413                                 | .44                               | 230                                                           | 6.3x5.8                   |
| 68                  | 35   | 686AXZ035M                     | 2.926                                 | .34                               | 280                                                           | 6.3x7.7                   |
| 68                  | 50   | 686AXZ050M                     | 3.413                                 | .34                               | 300                                                           | 8x10.2                    |
| 100                 | 16   | 107AXZ016M                     | 2.653                                 | .44                               | 230                                                           | 6.3x5.8                   |
| 100                 | 25   | 107AXZ025M                     | 2.321                                 | .34                               | 290                                                           | 6.3x7.7                   |
| 100                 | 50   | 107AXZ050M                     | 2.321                                 | .34                               | 300                                                           | 8x10.2                    |
| 150                 | 10   | 157AXZ010M                     | 2.210                                 | .44                               | 230                                                           | 6.3x5.8                   |
| 150                 | 16   | 157AXZ016M                     | 1.768                                 | .34                               | 280                                                           | 6.3x7.7                   |
| 150                 | 35   | 157AXZ035MD8                   | 1.547                                 | .17                               | 450                                                           | 8x10.2                    |
| 150                 | 50   | 157AXZ050M                     | 1.547                                 | .18                               | 670                                                           | 10x10.2                   |
| 220                 | 6.3  | 227AXZ6R3M                     | 1.809                                 | .44                               | 230                                                           | 6.3x5.8                   |
| 220                 | 16   | 227AXZ016M                     | 1.206                                 | .34                               | 280                                                           | 6.3x7.7                   |
| 220                 | 35   | 227AXZ035M                     | 1.055                                 | .17                               | 450                                                           | 8x10.2                    |
| 220                 | 50   | 227AXZ050M                     | 1.055                                 | .18                               | 670                                                           | 10x10.2                   |
| 330                 | 6.3  | 337AXZ6R3M                     | 1.206                                 | .34                               | 280                                                           | 6.3x7.7                   |
| 330                 | 16   | 337AXZ016M                     | 1.005                                 | .17                               | 450                                                           | 10x7.7                    |
| 330                 | 25   | 337AXZ025M                     | 0.804                                 | .17                               | 450                                                           | 8x10.2                    |
| 330                 | 35   | 337AXZ035M                     | 0.703                                 | .09                               | 670                                                           | 10x10.2                   |
| 470                 | 16   | 477AXZ016M                     | 0.705                                 | .17                               | 450                                                           | 8x10.2                    |
| 470                 | 25   | 477AXZ025M                     | 0.564                                 | .09                               | 670                                                           | 10x10.2                   |
| 680                 | 6.3  | 687AXZ6R3MD8                   | 0.683                                 | .17                               | 450                                                           | 8x10.2                    |
| 680                 | 16   | 687AXZ016M                     | 0.488                                 | .09                               | 670                                                           | 10x10.2                   |
| 1000                | 6.3  | 108AXZ6R3M                     | 0.464                                 | .17                               | 450                                                           | 8x10.2                    |
| 1000                | 10   | 108AXZ010M                     | 0.398                                 | .09                               | 670                                                           | 10x10.2                   |
| 1500                | 6.3  | 158AXZ6R3M                     | 0.332                                 | .09                               | 670                                                           | 10x10.2                   |