

MINIATURE ALUMINUM ELECTROLYTIC CAPACITORS

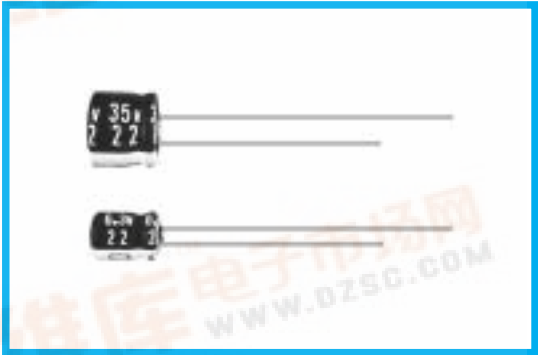
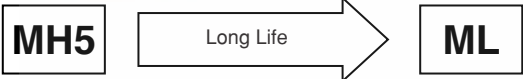
MH5

MH5

SERIES

105°C 5mm Height.

- ◆FEATURES
- RoHS compliance.



◆SPECIFICATIONS

Items	Characteristics																					
Category Temperature Range	−40~+105℃																					
Rated Voltage Range	6.3~50V.DC																					
Capacitance Tolerance	±20% (20℃, 120Hz)																					
Leakage Current(MAX)	I=0.01CV or 3 μA whichever is greater. (After 2 minutes application of rated voltage) I=Leakage Current(μ A) C=Rated Capacitance(μ F) V=Rated Voltage(V)																					
Dissipation Factor(MAX) (tan δ)	<table><tr><td>Rated Voltage (V)</td><td>6.3</td><td>10</td><td>16</td><td>25</td><td>35</td><td>50</td></tr><tr><td>tan δ</td><td>0.28</td><td>0.24</td><td>0.20</td><td>0.16</td><td>0.13</td><td>0.12</td></tr></table> (20℃, 120Hz)	Rated Voltage (V)	6.3	10	16	25	35	50	tan δ	0.28	0.24	0.20	0.16	0.13	0.12							
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tan δ	0.28	0.24	0.20	0.16	0.13	0.12																
Endurance	After applying rated voltage with rated ripple current for 1000 hrs at 105℃, the capacitors shall meet the following requirements. <table><tr><td>Capacitance Change</td><td>Within ±25% of the initial value.</td></tr><tr><td>Dissipation Factor</td><td>Not more than 200% of the specified value.</td></tr><tr><td>Leakage Current</td><td>Not more than the specified value.</td></tr></table>	Capacitance Change	Within ±25% of the initial value.	Dissipation Factor	Not more than 200% of the specified value.	Leakage Current	Not more than the specified value.															
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Low Temperature Stability Impedance Ratio(MAX)	<table><tr><td>Rated Voltage (V)</td><td>6.3</td><td>10</td><td>16</td><td>25</td><td>35</td><td>50</td></tr><tr><td>Z(−25℃)/Z(20℃)</td><td>3</td><td>3</td><td>2</td><td>2</td><td>2</td><td>2</td></tr><tr><td>Z(−40℃)/Z(20℃)</td><td>8</td><td>5</td><td>4</td><td>3</td><td>3</td><td>3</td></tr></table> (120Hz)	Rated Voltage (V)	6.3	10	16	25	35	50	Z(−25℃)/Z(20℃)	3	3	2	2	2	2	Z(−40℃)/Z(20℃)	8	5	4	3	3	3
Rated Voltage (V)	6.3	10	16	25	35	50																
Z(−25℃)/Z(20℃)	3	3	2	2	2	2																
Z(−40℃)/Z(20℃)	8	5	4	3	3	3																

◆MULTIPLIER FOR RIPPLE CURRENT

Frequency coefficient

Frequency (Hz)		60 (50)	120	500	1k	10k≦
Coefficient	0.1~1 μF	0.50	1.0	1.20	1.30	1.50
	2.2~4.7 μF	0.65	1.0	1.20	1.30	1.50
	10~47 μF	0.8	1.0	1.20	1.30	1.50
	100 μF	0.8	1.0	1.10	1.15	1.20

◆PART NUMBER

Rated Voltage

MH5

Series

Rated Capacitance

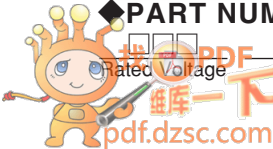
Capacitance Tolerance

Option

Lead Forming

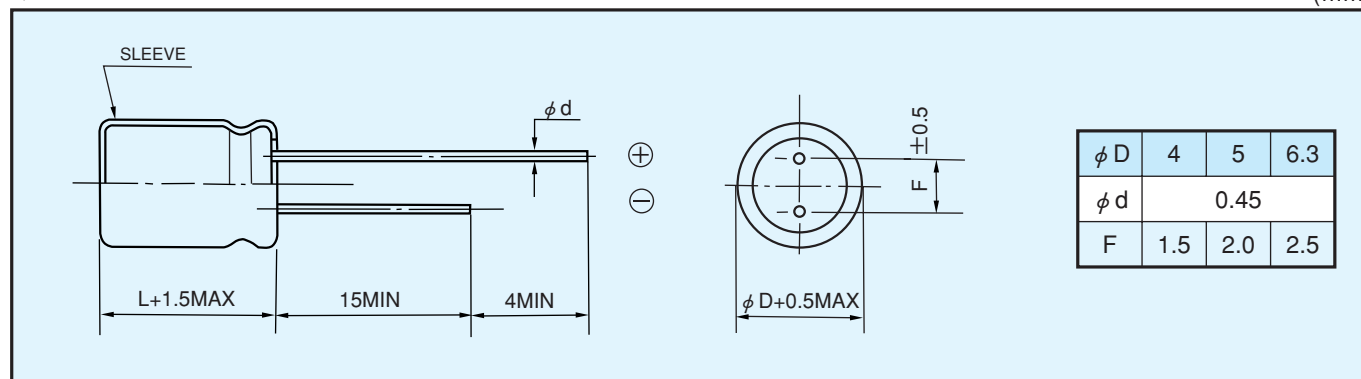
Case Size

DXL



◆DIMENSIONS

(mm)


◆STANDARD SIZE, RATED RIPPLE CURRENT

 Size $\phi D \times L$ (mm), Ripple Current (mA r.m.s./105°C, 120Hz)

Cap (μF) \n WV (V.DC)	6.3 (0J)		10 (1A)		16 (1C)		25 (1E)		35 (1V)		50 (1H)	
	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple
0.1											4×5	1
0.22											4×5	2
0.33											4×5	3
0.47											4×5	4
1											4×5	8
2.2											4×5	13
3.3											4×5	14
4.7									4×5	17	5×5	18
10					4×5	20	5×5	22	5×5	24	6.3×5	28
22	4×5	23	5×5	28	5×5	31	6.3×5	44	6.3×5	48		
33	5×5	30	5×5	34	6.3×5	48	6.3×5	48				
47	5×5	37	6.3×5	52	6.3×5	56	6.3×5	56				
100	6.3×5	57	6.3×5	62	6.3×5	62						