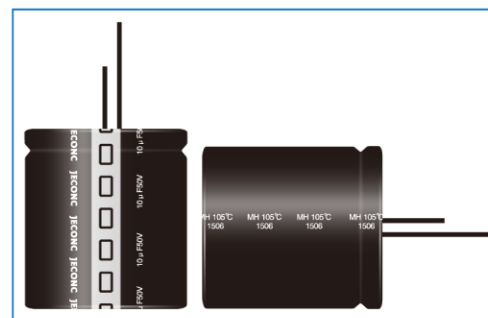


MH系列

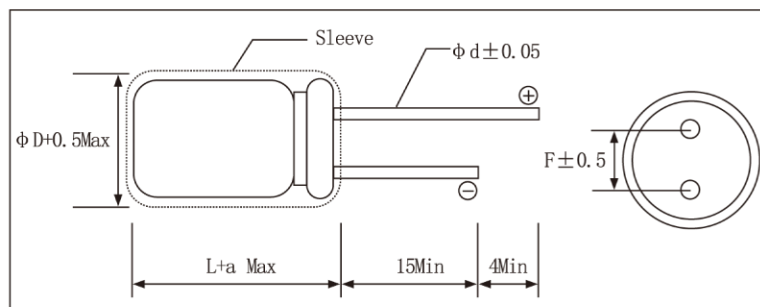
SERIES

- 1000hours at 105℃
- 7mm height
- Solvent resistant type
(see PRECAUTIONS AND GUIDELINES)
- RoHS Compliant
- ◆ SPECIFICATION



Items	Characteristics																											
Operating Temperature Range(℃)	-40 ~ +105℃																											
Voltage range (V)	6.3~50V																											
Capacitance Range (μF)	0.1~220μF																											
Capacitance Tolerance	±20% (at20℃, 120Hz)																											
leakage current (μA)	After 2 minutes at 20℃ application of rated voltage, leakage current is not more than 0.01 CV or 3 (μA), whichever is greater.																											
Dissipation Factor(Tan δ)	<table><tr><td>WV(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 (max)</td><td>0.24</td><td>0.21</td><td>0.18</td><td>0.15</td><td>0.13</td><td>0.12</td></tr></table> (at 20℃, 120Hz)							WV(V)	6.3	10	16	25	35	50	Tan δ (max)	0.24	0.21	0.18	0.15	0.13	0.12							
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Low Temperature Characteristics	<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>2</td><td>2</td><td>2</td><td>2</td><td>2</td></tr><tr><td>Z-40℃/Z+20℃</td><td>6</td><td>5</td><td>4</td><td>3</td><td>3</td><td>3</td></tr></table> (at 120Hz)							Rated Voltage (V)	6.3	10	16	25	35	50	Z-25℃/Z+20℃	3	2	2	2	2	2	Z-40℃/Z+20℃	6	5	4	3	3	3
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Z-25℃/Z+20℃	3	2	2	2	2	2																						
Z-40℃/Z+20℃	6	5	4	3	3	3																						
Load Life	The following specifications shall be satisfied when the capacitors are restored to 20℃ after subjected to DC voltage with the rated rippled current is applied for 1000 hours at 105℃ . <table><tr><td>Rated voltage</td><td>6.3~16V</td><td>25~50V</td></tr><tr><td>Capacitance change</td><td>≤±25% of the initial value</td><td>≤±20% of the initial value</td></tr><tr><td>D. F. (Tan δ)</td><td colspan="2">≤ 200% of the initial specified value</td></tr><tr><td>Leakage current</td><td colspan="2">≤The initial specified value</td></tr></table>							Rated voltage	6.3~16V	25~50V	Capacitance change	≤±25% of the initial value	≤±20% of the initial value	D. F. (Tan δ)	≤ 200% of the initial specified value		Leakage current	≤The initial specified value										
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Leakage current	≤The initial specified value																											
Shelf Life	The following specifications shall be satisfied when the capacitors are restored to 20℃ after exposing them for 1,000 hours at 105℃ without voltage applied .Before the measurement ,the capacitor shall be preconditioned by applying voltage according to Item 4.1 of JIS C 5101-4. <table><tr><td>Rated voltage</td><td>6.3~16V</td><td>25~50V</td></tr><tr><td>Capacitance change</td><td>≤±25% of the initial value</td><td>≤±20% of the initial value</td></tr><tr><td>D. F. (Tan δ)</td><td colspan="2">≤ 200% of the initial specified value</td></tr><tr><td>Leakage current</td><td colspan="2">≤The initial specified value</td></tr></table>							Rated voltage	6.3~16V	25~50V	Capacitance change	≤±25% of the initial value	≤±20% of the initial value	D. F. (Tan δ)	≤ 200% of the initial specified value		Leakage current	≤The initial specified value										
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◆ DIMENSIONS(mm)



◆ Frequency Coefficient

Frequency	50Hz	120Hz	300Hz	1KHz	10KHz~
Coefficient	0.70	1.00	1.17	1.36	1.50

ΦD	4	5	6.3	8.0
F	1.5	2.0	2.5	3.5
Φd	0.45	0.45	0.45	0.5
a	1.0	1.0	1.0	1.0



◆ SPECIFICATION

Ur (Surge Voltage) Code	Rated Capacitance	Rated Ripple Current 105°C 120Hz	Size Φ D×L
(V)	(μF)	(mA rms)	(mm)
6.3 (8) 0J	22	34	4×7
	33	42	5×7
	47	50	5×7
	100	77	6.3×7
	220	130	8×7
10 (13) 1A	22	38	5×7
	33	47	5×7
	47	59	6.3×7
	100	96	8×7
	220	140	8×7
16 (20) 1C	10	29	4×7
	22	44	5×7
	33	57	6.3×7
	47	68	6.3×7
	100	107	8×7
25 (32) 1E	10	33	5×7
	22	51	6.3×7
	33	63	6.3×7
	47	78	8×7
35 (44) 1V	4.7	24	4×7
	10	36	5×7
	22	57	6.3×7
	33	72	8×7
50 (63) 1H	0.1	1.0	4×7
	0.22	2.3	4×7
	0.33	3.5	4×7
	0.47	5.0	4×7
	1	10	4×7
	2.2	19	4×7
	3.3	24	4×7
	4.7	29	5×7
	10	44	6.3×7
	22	65	8×7

Customer products are available on request