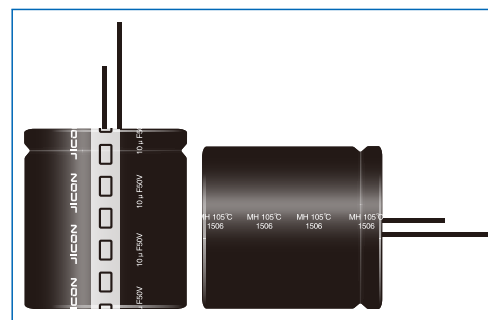


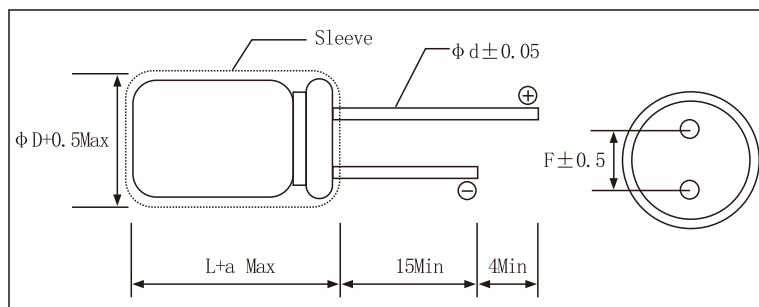
MH系列 SERIES

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



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

MH 系列
SERIES

◆ SPECIFICATION

Ur (Surge Voltage) Code	Rated Capacitance	Rated Ripple Current 105°C 120Hz	Size ΦD×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