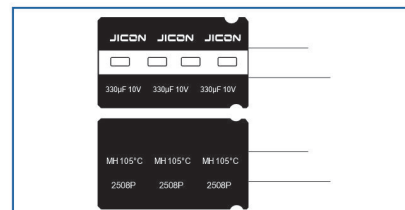


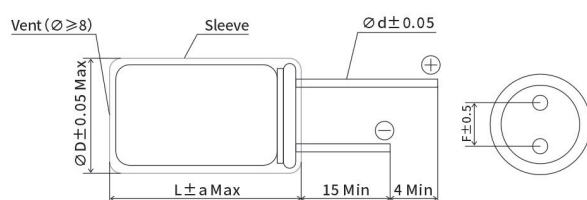
MH 系列 SERIES

- 1000h at 105°C
- 7mm height
- Mini size
- RoHS Compliant



Items	Characteristics																				
Operating Temperature Range(°C)	-40~+105																				
Voltage Range (V)	6.3~50																				
Capacitance Range (μF)	1~330																				
Capacitance Tolerance(20°C,120Hz)	± 20%																				
Leakage Current (μA)	6.3~50V																				
	I ≤ 0.01CV or 3μA whichever is greater After 2 minute at 20°C application of rated voltage																				
	I:Max. leakage current (μA) C:Nominal Capacitance (μF) V:Rated Voltage (V)																				
Dissipation Factor (20°C,120Hz)	<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>Tanδ(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>							Rated Voltage (V)	6.3	10	16	25	35	50	Tanδ(max)	0.24	0.21	0.18	0.15	0.13	0.12
	Rated Voltage (V)	6.3	10	16	25	35	50														
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Low Temperature Characteristics (Max. Impedance Ratio at 120Hz)	<table><tr><td>Rated Voltage (V)</td><td>6.3</td><td>10~25</td><td>35~50</td></tr><tr><td>Z-40°C/Z+20°C</td><td>8</td><td>6</td><td>3</td></tr></table>							Rated Voltage (V)	6.3	10~25	35~50	Z-40°C/Z+20°C	8	6	3						
	Rated Voltage (V)	6.3	10~25	35~50																	
Z-40°C/Z+20°C	8	6	3																		
Load Life	The following specifications shall be satisfied when the capacitors are restored to 20°C after subjected to DC voltage withthe rated ripple current is applied for the specified period of time at 105°C.																				
	Capacitance change		≤ ± 20% of the initial value																		
	D.F.(Tanδ)		≤200% of specified value																		
Shelf Life	Leakage current		≤The initial specified value																		
	The following specifications shall be satisfied when the capacitors are restored to 20°C after exposing them for 1,000 hours at 105°Cwithout voltage applied .																				
	Capacitance change		≤ ± 20% of the initial value																		
Shelf Life	D.F.(Tanδ)		≤200% of specified value																		
	Leakage current		≤200% of specified value																		

◆ Dimensions(mm)



ΦD	4	5	6.3	8
F	1.5	2.0	2.5	3.5
Φd	0.45	0.45	0.45	0.5
a	1.0			

◆ Frequency Coefficient

Frequency	50/60HZ	120HZ	1KHZ	10KHZ	100KHZ
Coefficient	0.7	1.0	1.3	1.5	1.6

◆ Temperature Coefficient

Temperature(°C)	+70	+85	+105
Coefficient	1.96	1.68	1.00

◆ Ratings for MH Series

UR (Surge Voltage) Code (V)	Rated Capacitance (μF)	Max ESR 20°C120Hz (Ω)	Rated Ripple Current105°C120Hz (mA rms)	Size φD×L (mm)
6.3(8)0J	56	5.60	53	4×7
	68	4.60	58	4×7
	82	3.80	72	5×7
	100	3.10	80	5×7
	220	1.40	140	6.3×7
	330	0.96	205	8×7
10(13)1A	47	5.90	60	4×7
	56	4.90	68	4×7
	68	4.00	78	5×7
	82	3.30	85	5×7
	100	2.70	108	6.3×7
	150	1.80	132	6.3×7
	220	1.20	185	8×7
	270	1.00	205	8×7
16(20)1C	33	7.20	55	4×7
	47	5.00	70	5×7
	56	4.20	82	5×7
	68	3.50	91	6.3×7
	82	2.90	99	6.3×7
	100	2.30	120	6.3×7
	150	1.50	170	8×7
	220	1.00	205	8×7
25(32)1E	22	9.00	50	4×7
	33	6.00	70	5×7
	47	4.20	85	6.3×7
	56	3.50	94	6.3×7
	68	2.90	104	6.3×7
	82	2.40	131	8×7
	100	1.90	145	8×7
	120	1.60	159	8×7
35(44)1V	15	11.5	36	4×7
	22	7.80	50	5×7
	33	5.20	75	6.3×7
	47	3.60	110	6.3×7
	56	3.00	139	8×7
	68	2.50	153	8×7
	82	2.10	168	8×7
50 (63)1H	1	159.0	10	4×7
	2.2	72.0	15	4×7
	3.3	48.0	20	4×7
	4.7	33.0	24	4×7
	6.8	23.0	30	4×7
	8.2	19.0	36	4×7
	10	15.0	40	4×7
	15	10.0	55	5×7
	22	7.20	70	6.3×7
	33	4.80	100	8×7
	47	3.30	120	8×7