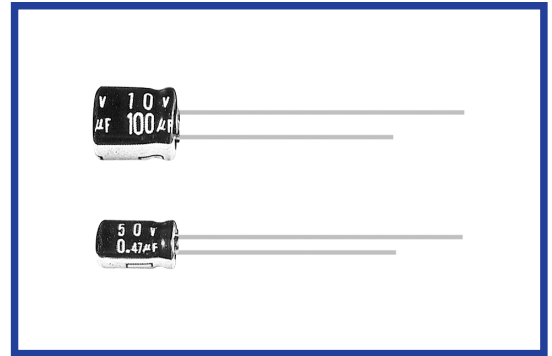


**MH7 SERIES**

105°C 7mm Height.

◆FEATURES

•RoHS compliance.

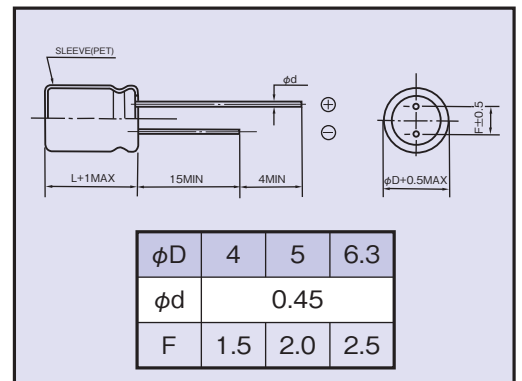


◆SPECIFICATIONS

Items	Characteristics																								
Category Temperature Range	-40~+105°C																								
Rated Voltage Range	6.3~50V.DC																								
Capacitance Tolerance	±20% (20°C, 120Hz)																								
Leakage Current(MAX)	I=0.01CV or 3µA whichever is greater. (After 2 minutes application of rated voltage) I=(µA)      C=(µF)      V=(V) Leakage Current      Rated Capacitance      Rated Voltage																								
(tanδ) Dissipation Factor(MAX)	<table border="1"> <tr> <td>Rated Voltage</td> <td>6.3</td> <td>10</td> <td>16</td> <td>25</td> <td>35</td> <td>50</td> <td>(20°C, 120Hz)</td> </tr> <tr> <td>tanδ</td> <td>0.24</td> <td>0.20</td> <td>0.16</td> <td>0.14</td> <td>0.12</td> <td>0.10</td> <td></td> </tr> </table>	Rated Voltage	6.3	10	16	25	35	50	(20°C, 120Hz)	tanδ	0.24	0.20	0.16	0.14	0.12	0.10									
Rated Voltage	6.3	10	16	25	35	50	(20°C, 120Hz)																		
tanδ	0.24	0.20	0.16	0.14	0.12	0.10																			
Endurance	After applying rated voltage with rated ripple current for 1000 hours at 105°C, the capacitors shall meet the following requirements. <table border="1"> <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 border="1"> <tr> <td>Rated Voltage</td> <td>6.3</td> <td>10</td> <td>16</td> <td>25</td> <td>35</td> <td>50</td> <td>(120Hz)</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> <td></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> <td></td> </tr> </table>	Rated Voltage	6.3	10	16	25	35	50	(120Hz)	Z(-25°C)/Z(20°C)	3	2	2	2	2	2		Z(-40°C)/Z(20°C)	6	5	4	3	3	3	
Rated Voltage	6.3	10	16	25	35	50	(120Hz)																		
Z(-25°C)/Z(20°C)	3	2	2	2	2	2																			
Z(-40°C)/Z(20°C)	6	5	4	3	3	3																			

◆DIMENSIONS

(mm)



◆MULTIPLIER FOR RIPPLE CURRENT

Frequency Coefficient

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

◆STANDARD SIZE Size φD×L(mm), Ripple Current (mA r.m.s./105°C, 120Hz)

VV (V.DC)	Cap (µF)	Size (φD×L)	Rated Ripple Current
6.3 (0J)	22	4×7	34
	33	5×7	42
	47	5×7	50
	100	6.3×7	77
10 (1A)	22	5×7	38
	33	5×7	47
	47	6.3×7	65
	100	6.3×7	87

VV (V.DC)	Cap (µF)	Size (φD×L)	Rated Ripple Current
16 (1C)	10	4×7	29
	22	5×7	44
	33	6.3×7	60
	47	6.3×7	70
	100	6.3×7	91
	25 (1E)	10	5×7
22		6.3×7	51
33		6.3×7	65
47		6.3×7	70

VV (V.DC)	Cap (µF)	Size (φD×L)	Rated Ripple Current
35 (1V)	4.7	4×7	24
	10	5×7	36
	22	6.3×7	60
	33	6.3×7	65
	50 (1H)	0.1	4×7
0.22		4×7	2.3
0.33		4×7	3.5
0.47		4×7	5
1		4×7	10
2.2		4×7	19
3.3		4×7	24
4.7		5×7	29
10		6.3×7	44
22		6.3×7	60

◆OPTION

	Code
PET Sleeve	EFC

◆PART NUMBER

MH7    M    D×L  
 Rated Voltage    Series    Rated Capacitance    Capacitance Tolerance    Option    Lead Forming    Case Size