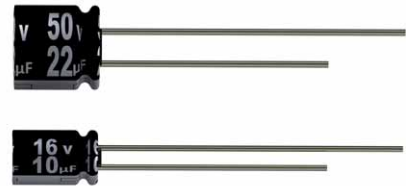


MH7 SERIES

105°C 7mm Height

*Load Life : 105°C 1000 hours.

RoHS
compliance

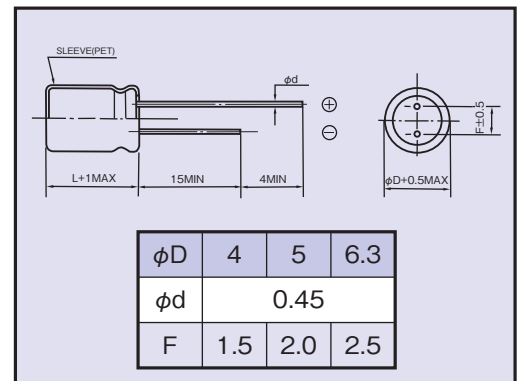


SPECIFICATIONS

Items	Characteristics																											
Category Temperature Range	-40~+105℃																											
Rated Voltage Range	6.3~50Vdc																											
Capacitance Tolerance	±20% (20℃, 120Hz)																											
Leakage Current(MAX)	I=0.01CV or 3μA whichever is greater. (After 2 minutes application of rated voltage) I=Leakage Current(μA) C=Capacitance(μF) V=Rated Voltage(Vdc)																											
Dissipation Factor(MAX) (tanδ)	<table border="1"><tr><td>Rated Voltage (Vdc)</td><td>6.3</td><td>10</td><td>16</td><td>25</td><td>35</td><td>50</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></tr></table> (20℃, 120Hz)							Rated Voltage (Vdc)	6.3	10	16	25	35	50	tanδ	0.24	0.20	0.16	0.14	0.12	0.10							
Rated Voltage (Vdc)	6.3	10	16	25	35	50																						
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℃, the capacitors shall meet the following requirements.																											
	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.																								
Low Temperature Stability Impedance Ratio(MAX)	<table border="1"><tr><td>Rated Voltage (Vdc)</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> (120Hz)							Rated Voltage (Vdc)	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
	Rated Voltage (Vdc)	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																						

DIMENSIONS

(mm)



MULTIPLIER FOR RIPPLE CURRENT

Frequency (Hz)		60(50)	120	500	1k	10k≤
Coefficient	1μF	0.50	1.00	1.20	1.30	1.50
	2.2~4.7μF	0.65	1.00	1.20	1.30	1.50
	10~47μF	0.80	1.00	1.20	1.30	1.50
	100μF	0.80	1.00	1.10	1.15	1.20

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

Vdc	Cap (μF)	Size (φD×L)	Rated Ripple Current
6.3	22	4×7	34
	33	5×7	42
	47	5×7	50
	100	6.3×7	77
10	22	5×7	38
	33	5×7	47
	47	6.3×7	65
	100	6.3×7	87

Vdc	Cap (μF)	Size (φD×L)	Rated Ripple Current
16	10	4×7	29
	22	5×7	44
	33	6.3×7	60
	47	6.3×7	70
	100	6.3×7	91
25	10	5×7	33
	22	6.3×7	51
	33	6.3×7	65
	47	6.3×7	70

Vdc	Cap (μF)	Size (φD×L)	Rated Ripple Current
35	4.7	4×7	24
	10	5×7	36
	22	6.3×7	60
	33	6.3×7	65
	1	4×7	10
50	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

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