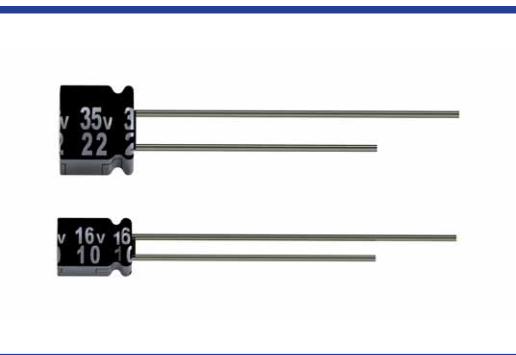


MH5 SERIES

105°C 5mm Height

• Load Life : 105°C 1000 hours.

RoHS
compliance

◆SPECIFICATIONS

Items	Characteristics					
Category Temperature Range	−40~+105°C					
Rated Voltage Range	6.3~50Vdc					
Capacitance Tolerance	$\pm 20\%$ (20°C, 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)	Rated Voltage (Vdc)	6.3	10	16	25	35
	tanδ	0.28	0.24	0.20	0.16	0.13
	50					
(20°C, 120Hz)						
Endurance	After applying rated voltage with rated ripple current for 1000 hours at 105°C, the capacitors shall meet the following requirements.					
	Capacitance Change	Within $\pm 25\%$ 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)	Rated Voltage (Vdc)	6.3	10	16	25	35
	Z(-25°C) / Z(20°C)	3	3	2	2	2
	Z(-40°C) / Z(20°C)	8	5	4	3	3
	50					
(120Hz)						

◆STANDARD SIZE Size $\phi D \times L$ (mm), Rated Ripple Current (mA r.m.s./105°C, 120Hz)

Vdc	Cap (μF)	Size ($\phi D \times L$)	Rated Ripple Current
6.3	22	4×5	23
	33	5×5	30
	47	5×5	37
	100	6.3×5	57
10	22	5×5	28
	33	5×5	34
	47	6.3×5	52
	100	6.3×5	62

Vdc	Cap (μF)	Size ($\phi D \times L$)	Rated Ripple Current
16	10	4×5	20
	22	5×5	31
	33	6.3×5	48
	47	6.3×5	56
25	100	6.3×5	62
	10	5×5	22
	22	6.3×5	44
	33	6.3×5	48
	47	6.3×5	56

Vdc	Cap (μF)	Size ($\phi D \times L$)	Rated Ripple Current
35	4.7	4×5	17
	10	5×5	24
	22	6.3×5	48
	0.47	4×5	4
50	1	4×5	8
	2.2	4×5	13
	3.3	4×5	14
	4.7	5×5	18
	10	6.3×5	28

◆OPTION

	Code
PET Sleeve	EFC

◆PART NUMBER

□□□ MH5 □□□□□ M □□□ Lead Forming DXL
 Rated Voltage Series Capacitance Capacitance Tolerance Option Case Size