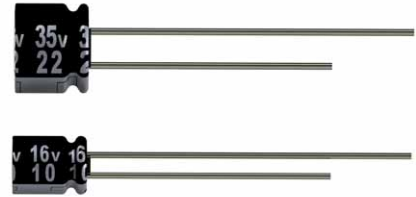


## MH5 SERIES

105°C 5mm Height

\*Load Life : 105°C 1000 hours.

RoHS  
compliance

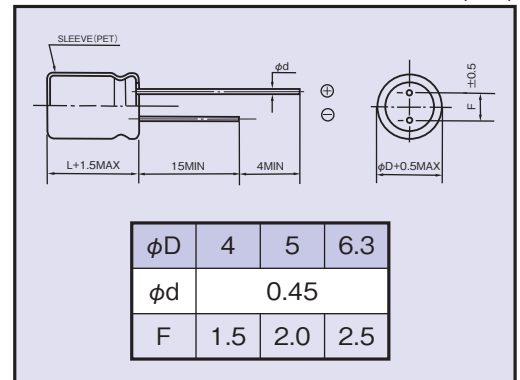


### SPECIFICATIONS

Items	Characteristics					
Category Temperature Range	-40~+105°C					
Rated Voltage Range	6.3~50Vdc					
Capacitance Tolerance	±20% (20°C, 120Hz)					
Leakage Current(MAX)	$I=0.01CV$ or $3\mu A$ whichever is greater. (After 2 minutes application of rated voltage) $I$ =Leakage Current( $\mu A$ ) $C$ =Capacitance( $\mu F$ ) $V$ =Rated Voltage(Vdc)					
Dissipation Factor(MAX) (tan $\delta$ )	Rated Voltage (Vdc)	6.3	10	16	25	35 50
	tan $\delta$	0.28	0.24	0.20	0.16	0.13 0.12
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 ±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 50
	Z(-25°C)/Z(20°C)	3	3	2	2	2 2
	Z(-40°C)/Z(20°C)	8	5	4	3	3 3

### DIMENSIONS

(mm)



### MULTIPLIER FOR RIPPLE CURRENT

Frequency (Hz)		60(50)	120	500	1k	10k≤
Coefficient	0.47~1μF	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	4×5	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 (φD×L)	Rated Ripple Current
16	10	4×5	20
	22	5×5	31
	33	6.3×5	48
	47	6.3×5	56
	100	6.3×5	62
25	10	5×5	22
	22	6.3×5	44
	33	6.3×5	48
	47	6.3×5	56

Vdc	Cap (μF)	Size (φD×L)	Rated Ripple Current
35	4.7	4×5	17
	10	5×5	24
	22	6.3×5	48
50	0.47	4×5	4
	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	□□□	□□	D×L
Rated Voltage	Series	Capacitance	Capacitance Tolerance	Option	Lead Forming	Case Size

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