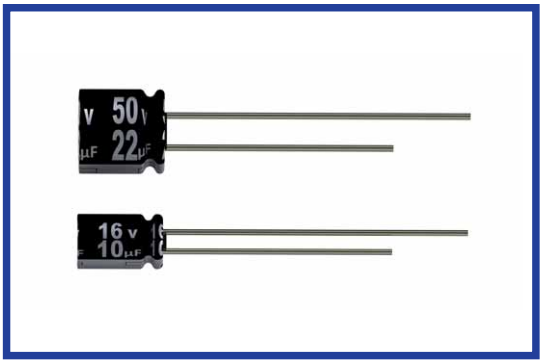
MH7 SERIES

105℃ 7mm Height

•Load Life : 105℃ 1000 hours.

RoHS compliance



◆SPECIFICATIONS

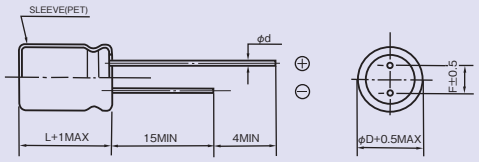
Items	Characteristics
Category Temperature Range	−40～+105℃
Rated Voltage Range	6.3～50Vdc
Capacitance Tolerance	±20%(20℃,120Hz)
Leakage Current(MAX)	I=0.01CV or 3μA whichever is greater. (After 2 minutes application of rated voltage) I=Leakage Current(μA) C=Capacitance(μF) V=Rated Voltage(Vdc)
Dissipation Factor(MAX) (tanδ)	(20℃,120Hz)
Endurance	After applying rated voltage with rated ripple current for 1000 hours at 105℃, the capacitors shall meet the following requirements.
Low Temperature Stability Impedance Ratio(MAX)	(120Hz)

Rated Voltage (Vdc)	6.3	10	16	25	35	50
tanδ	0.24	0.20	0.16	0.14	0.12	0.10

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.

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)



φD	4	5	6.3
φd	0.45		
F	1.5	2.0	2.5

◆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℃, 120Hz)

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

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