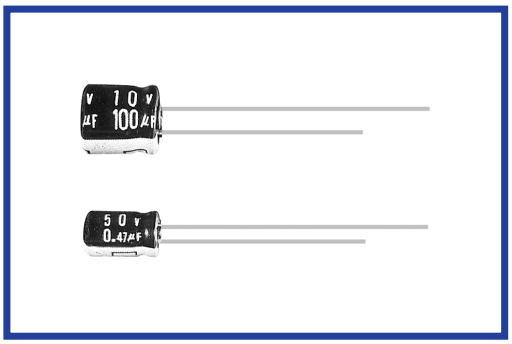
MH7 SERIES

105℃ 7mm Height.

◆FEATURES

•RoHS compliance.



◆SPECIFICATIONS

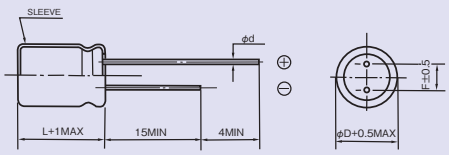
Items	Characteristics
Category Temperature Range	−40～+105℃
Rated Voltage Range	6.3～50V.DC
Capacitance Tolerance	±20%(20℃,120Hz)
Leakage Current(MAX)	I=0.01CV or 3μA whichever is greater. (After 2 minutes application of rated voltage) I=Leakage Current(μA) C=Rated Capacitance(μF) V=Rated Voltage(V)
(tanδ)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

Rated Voltage (V)	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 (V)	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 coefficient

Frequency (Hz)		60(50)	120	500	1k	10k≦
Coefficient	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℃, 120Hz)

WV (V.DC)	Cap (μF)	Size (φDxL)	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
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	33
	22	6.3×7	51
	33	6.3×7	65
	47	6.3×7	70
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	1.0
	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

◆PART NUMBER

□□□	MH7	□□□□□	□	□□□	□□	DxL
Rated Voltage	Series	Rated Capacitance	Capacitance Tolerance	Option	Lead Forming	Case Size