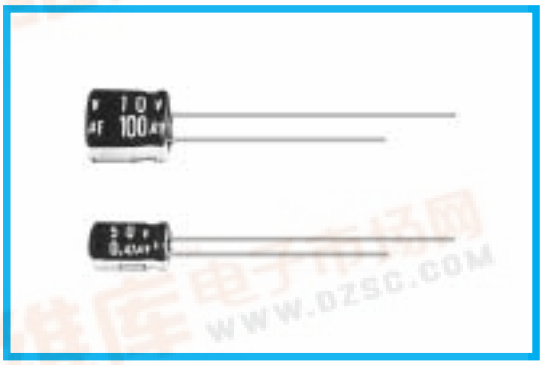
Rubycon

MINIATURE ALUMINUM ELECTROLYTIC CAPACITORS MH7

MH7 SERIES

105℃ 7mm Height.



◆FEATURES

- RoHS compliance.

MH7 → Long Life → ML

◆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 3 μA whichever is greater. (After 2 minutes application of rated voltage) I=Leakage Current(μA) C=Rated Capacitance(μF) V=Rated Voltage(V)
Dissipation Factor(MAX) (tan δ)	Rated Voltage (V): 6.3 / 10 / 16 / 25 / 35 / 50 tan δ: 0.24 / 0.20 / 0.16 / 0.14 / 0.12 / 0.10 （20℃，120Hz）
Endurance	After applying rated voltage with rated ripple current for 1000 hrs 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)	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 （120Hz）

◆MULTIPLIER FOR RIPPLE CURRENT

Frequency coefficient

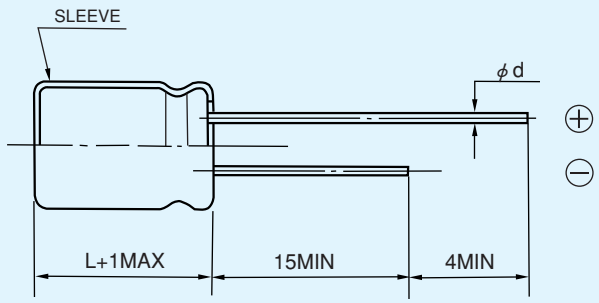
Frequency (Hz)		60(50)	120	500	1k	10k≦
Coefficient	0.1～1 μF	0.50	1.0	1.20	1.30	1.50
	2.2～4.7 μF	0.65	1.0	1.20	1.30	1.50
	10～47 μF	0.8	1.0	1.20	1.30	1.50
	100 μF	0.8	1.0	1.10	1.15	1.20

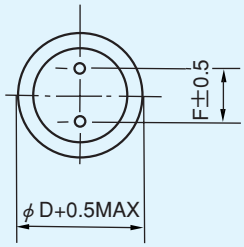
◆PART NUMBER

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

◆寸法図　DIMENSIONS

(mm)





φD	4	5	6.3
φd	0.45		
F	1.5	2.0	2.5

◆STANDARD SIZE, RATED RIPPLE CURRENT

Size φD×L(mm), Ripple Current (mA r.m.s./105℃, 120Hz)

WV (V.DC) / Cap (μF)	6.3 (0J)		10 (1A)		16 (1C)		25 (1E)		35 (1V)		50 (1H)	
	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple
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									4×7	24	5×7	29
10					4×7	29	5×7	33	5×7	36	6.3×7	44
22	4×7	34	5×7	38	5×7	44	6.3×7	51	6.3×7	60	6.3×7	60
33	5×7	42	5×7	47	6.3×7	60	6.3×7	65	6.3×7	65		
47	5×7	50	6.3×7	65	6.3×7	70	6.3×7	70				
100	6.3×7	77	6.3×7	87	6.3×7	91						