

ML SERIES
105°C 5mm~9mm Height, Long Life

*Load Life : 105°C 3000~5000 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 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 (V)	6.3	10	16	25	35 50
		tanδ	0.40	0.35	0.30	0.25 0.20 0.20
Endurance	After applying rated voltage with rated ripple current for specified time at 105°C, the capacitors shall meet the following requirements.					
	Capacitance Change	Within ±30% of the initial value.				Case Size
	Dissipation Factor	Not more than 300% of the specified value.				L=5mm
	Leakage Current	Not more than the specified value.				L≥7mm
Low Temperature Stability Impedance Ratio(MAX)	Rated Voltage (Vdc)	6.3	10	16	25	35 50
	Z(-25°C)/Z(20°C)	6	4	4	3	2 2
	Z(-40°C)/Z(20°C)	12	10	8	6	4 4

◆MULTIPLIER FOR RIPPLE CURRENT

Frequency (Hz)		60(50)	120	500	1k	10k≤
Coefficient	1μF	0.50	1.00	1.20	1.30	1.50
	2.2~6.8μF	0.65	1.00	1.20	1.30	1.50
	10~82μF	0.80	1.00	1.20	1.30	1.50
	100~1000μF	0.80	1.00	1.10	1.15	1.20

◆OPTION

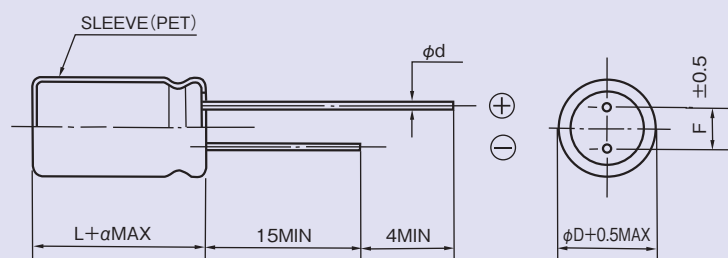
	Code
PET Sleeve	EFC

◆PART NUMBER

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

◆ DIMENSIONS

(mm)



ϕD	4	5	6.3	8×5	8×7	8×7.5	8×9	10
ϕd	0.45						0.6	
F	1.5	2.0	2.5		3.5			5.0
α	L=7 : α =1.0 L=5 : α =1.5			1.5	1.0		2.0	

◆STANDARD SIZE

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