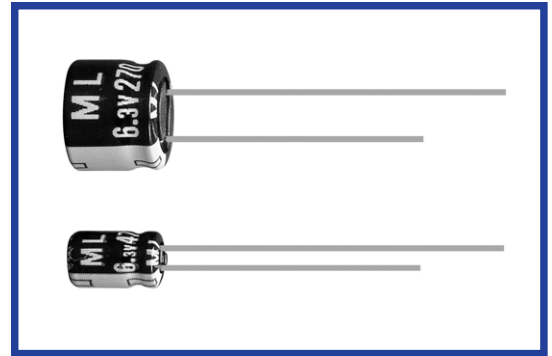


ML SERIES

105°C Long Life, 5mm~9mm Height.

◆FEATURES

- Load Life : 105°C 3000~5000 hours.
- RoHS compliance.



◆SPECIFICATIONS

Items	Characteristics					
Category Temperature Range	-40~+105°C					
Rated Voltage Range	6.3~50V.DC					
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(V)					
Dissipation Factor(MAX) (tanδ)	Rated Voltage (V)	6.3	10	16	25	35 50
		0.40	0.35	0.30	0.25	0.20 0.20
Endurance	(20°C, 120Hz)					
	After life test with ripple current at conditions stated in the table below at 105°C, the capacitors shall meet the following requirements.					
	Capacitance Change	Within ±30% of the initial value.				
	Dissipation Factor	Not more than 300% of the specified value.				
Low Temperature Stability Impedance Ratio(MAX)	Rated Voltage (V)	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
	(120Hz)					

◆MULTIPLIER FOR RIPPLE CURRENT

Frequency (Hz)		60(50)	120	500	1k	10k≤
Coefficient	1μF	0.50	1.0	1.20	1.30	1.50
	2.2~6.8μF	0.65	1.0	1.20	1.30	1.50
	10~82μF	0.80	1.0	1.20	1.30	1.50
	100~1000μF	0.80	1.0	1.10	1.15	1.20

◆OPTION

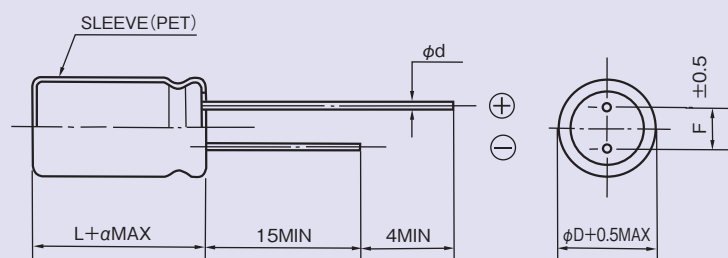
	Code
PET Sleeve	EFC

◆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), Ripple Current (mA r.m.s./105°C, 120Hz)[illegible]