

LM Downsized · Low profile · Long Life Series

- Endurance: 105°C 3000hours
- Recommended Applications : Smoothing circuit, TV/Monitor,Adapter, SMPS
- Corresponding product to RoHS

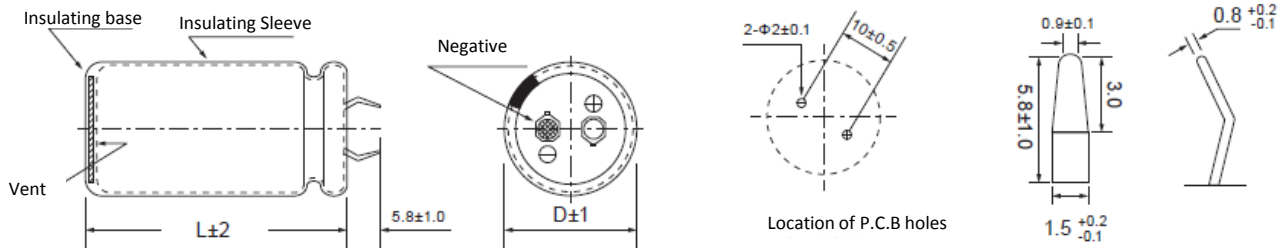
LM
 ↑ Smaller size
 LJ



■ SPECIFICATIONS

Item	Characteristics			
Category Temperature Range	-25 ~ +105°C			
Rated Voltage Range	400 ~ 450VDC			
Rated Capacitance Range	82 ~ 1000 µF			
Capacitance Tolerance	± 20 % (120Hz , 20°C)			
Leakage Current (20°C)	I = 3√CV. (After rated voltage applied for 5 minutes) I : Max. leakage current (µA), C : Nominal capacitance (µF), V : Rated voltage (V)			
Dissipation Factor(MAX) (tan δ) (120Hz ,20°C)	WV	400	420	450
	tan δ	0.15	0.20	0.20
Low Temperature Stability Impedance Ratio (MAX)	Measurement frequency : 120Hz			
	Rated voltage(V)	400	420	450
	Z-25°C / Z+20°C	4	8	8
	Z-40°C / Z+20°C	—	—	—
Endurance	After applying rated voltage with rated Ripple current for 3000hrs at 105°C , the capacitor shall meet the following requirement.			
	Capacitance change	Within ± 20% of initial value		
	D.F. (tan δ)	Not more than 200% of specified value		
	Leakage current	Not more than the specified value		
Shelf Life	After placed at 105°C without voltage applied for 1000 hours,the capacitor shall meet the same requirements as Endurance.			

■ Dimensions [mm]



■ Multiplier for Ripple Current

Freq. (Hz)	50	120	300	1K	10K	50K
400~450V	0.77	1.00	1.16	1.30	1.41	1.43

■ STANDARD RATINGS

Rated Voltage (SurageVoltage) (V)	Cap (μ F)	Case size Φ DxL(mm)	$\tan \delta$	Ripple current (A/rms105°C) (120Hz)	Rated Voltage (SurageVoltage) (V)	Cap (μ F)	Case size Φ DxL(mm)	$\tan \delta$	Ripple current (A/rms105°C) (120Hz)
400 (450)	120	22x25	0.15	0.77	420(470)	330	35x30	0.20	1.55
	150	22x30	0.15	0.9		390	30x45	0.20	1.70
	180	22x35	0.15	1.02			35x35	0.20	1.71
		25x25	0.15	0.99		470	30x50	0.20	1.90
	220	22x40	0.15	1.15			35x40	0.20	1.95
		25x30	0.15	1.13		560	35x45	0.20	2.17
	270	22x45	0.15	1.29	680	35x50	0.20	2.45	
		25x35	0.15	1.30	450 (500)	82	22x25	0.20	0.64
	330	30x25	0.15	1.29		120	22x30	0.20	0.81
		22x50	0.15	1.47			22x35	0.20	0.83
		25x40	0.15	1.47			25x25	0.20	0.81
	390	30x30	0.15	1.45		150	22x40	0.20	0.94
		35x25	0.15	1.52			25x30	0.20	0.93
		470	25x45	0.15		1.63	180	22x45	0.20
	25x50		0.15	1.66		25x35		0.20	1.06
	30x35		0.15	1.61		30x25		0.20	1.06
	560	30x40	0.15	1.82		220	22x50	0.20	1.20
		35x30	0.15	1.85			25x40	0.20	1.20
	680	30x45	0.15	2.04			30x30	0.20	1.18
		35x35	0.15	2.05			35x25	0.20	1.24
35x40		0.15	2.34	270		25x45	0.20	1.36	
820	35x45	0.15	2.40		25x50	0.20	1.38		
	35x50	0.15	2.69		30x35	0.20	1.34		
1000	35x60	0.15	2.75		35x30	0.20	1.40		
420(470)	220	22x45	0.20	1.17	330	30x40	0.20	1.52	
		22x50	0.20	1.20	390	30x45	0.20	1.70	
		25x35	0.20	1.18		30x50	0.20	1.73	
		30x30	0.20	1.18		35x35	0.20	1.71	
	270	25x40	0.20	1.33	470	35x40	0.20	1.95	
		25x45	0.20	1.36		35x45	0.20	1.99	
		35x25	0.20	1.38	560	35x50	0.20	2.22	
	330	25x50	0.20	1.52	680	35x55	0.20	2.30	
		30x35	0.20	1.48	820	35x60	0.20	2.42	
		30x40	0.20	1.52	1000	35x65	0.20	2.77	
			0.20	1.52					