

Jamicon Series : LM

Teapo Series : LM

Downsized · Low profile · Long Life Series

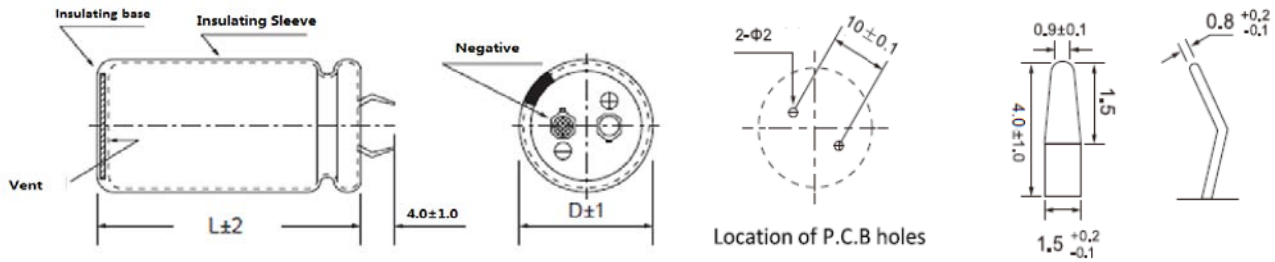


- Endurance: 105°C 3000hours
- Recommended Applications : Smoothing circuit, TV/Monitor,Adapter, SMPS
- Corresponding product to RoHS

■ 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 = √ 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
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		
Shelf Life	The following specifications shall be satisfied when the capacitors are restored to 20°C after exposing them for 1,000 hours at 105°C without voltage applied. Before the measurement, the capacitor shall be preconditioned by applying voltage according to item 4.1 of JIS C 5101-4.			

■ Dimensions [mm]



※When the code 11~13 of part number is S1G, the terminal length of standard capacitor is 4.0±1.0mm, and when it is S1A, the terminal length of standard capacitor is 5.8±1.0mm.

■ 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

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■ STANDARD RATINGS

Rated Voltage (SurageVoltage) (V)	Cap (μ F)	Case size Φ DxL(mm)	tan δ	Ripple current (A/rms105°C) (120Hz)	Rated Voltage (SurageVoltage) (V)	Cap (μ F)	Case size Φ DxL(mm)	tan δ	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		470	35x35	0.20	1.71	
		25x25	0.15	0.99			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
		30x25	0.15	1.29			120	22x30	0.20	0.81
	22x50	0.15	1.47	22x35				0.20	0.83	
	330	25x40	0.15	1.47	25x25			0.20	0.81	
		30x30	0.15	1.45	150		22x40	0.20	0.94	
		35x25	0.15	1.52			25x30	0.20	0.93	
	390	25x45	0.15	1.63	180		22x45	0.20	1.06	
		25x50	0.15	1.66			25x35	0.20	1.06	
		30x35	0.15	1.61			30x25	0.20	1.06	
	470	30x40	0.15	1.82	220		22x50	0.20	1.20	
		35x30	0.15	1.85		25x40	0.20	1.20		
	560	30x45	0.15	2.04		30x30	0.20	1.18		
		30x50	0.15	2.07		35x25	0.20	1.24		
35x35		0.15	2.05	270	25x45	0.20	1.36			
680	35x40	0.15	2.34		25x50	0.20	1.38			
	35x45	0.15	2.40		30x35	0.20	1.34			
820	35x50	0.15	2.69	35x30	0.20	1.40				
1000	35x60	0.15	2.75	330	30x40	0.20	1.52			
420(470)	220	22x45	0.20	1.17	390	30x45	0.20	1.70		
		22x50	0.20	1.20		30x50	0.20	1.73		
		25x35	0.20	1.18		35x35	0.20	1.71		
		30x30	0.20	1.18		470	35x40	0.20	1.95	
	270	25x40	0.20	1.33	35x45		0.20	1.99		
		25x45	0.20	1.36	560	35x50	0.20	2.22		
		35x25	0.20	1.38	680	35x55	0.20	2.30		
	330	25x50	0.20	1.52	820	35x60	0.20	2.42		
		30x35	0.20	1.48	1000	35x65	0.20	2.77		
		30x40	0.20	1.52						