

Jamicon Series : LR

Teapo Series : LR

Downsized · Low profile Series

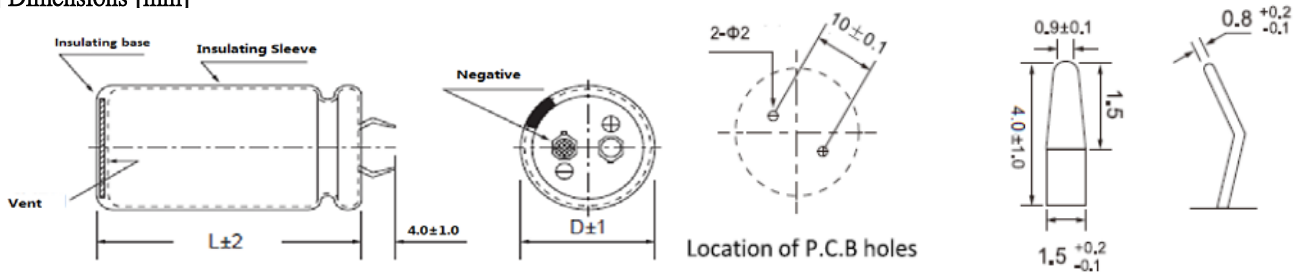


- Endurance: 105°C 2000 hours
- Recommended Applications : Applying to switching power supply and other industry/ commercial field
- Corresponding product to RoHS

**■ SPECIFICATIONS**

Item	Characteristics								
Category Temperature Range	-25 ~ +105°C								
Rated Voltage Range	400 ~ 450VDC								
Rated Capacitance Range	120 ~ 1000 μF								
Capacitance Tolerance	± 20 % ( 120Hz , 20°C)								
Leakage Current (20°C)	$I = \sqrt[3]{CV}$ . (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)	<table border="1"> <tr> <td>WV</td> <td>400</td> <td>420</td> <td>450</td> </tr> <tr> <td>tan δ</td> <td>0.15</td> <td>0.20</td> <td>0.20</td> </tr> </table>	WV	400	420	450	tan δ	0.15	0.20	0.20
WV	400	420	450						
tan δ	0.15	0.20	0.20						
Low Temperature Stability Impedance Ratio (MAX)	Measurement frequency : 120Hz <table border="1"> <tr> <td>WV</td> <td>400</td> <td>420</td> <td>450</td> </tr> <tr> <td>Z-25°C / Z+20°C</td> <td>8</td> <td>8</td> <td>8</td> </tr> </table>	WV	400	420	450	Z-25°C / Z+20°C	8	8	8
WV	400	420	450						
Z-25°C / Z+20°C	8	8	8						
Endurance	After applying rated voltage with rated Ripple current for 2000hrs at 105°C, the capacitor shall meet the following requirements. <table border="1"> <tr> <td>Capacitance change</td> <td>Within ± 20% of initial value</td> </tr> <tr> <td>D.F. (tan δ)</td> <td>Not more than 200% of specified value</td> </tr> <tr> <td>Leakage current</td> <td>initial specified value or less</td> </tr> </table>	Capacitance change	Within ± 20% of initial value	D.F. (tan δ)	Not more than 200% of specified value	Leakage current	initial specified value or less		
Capacitance change	Within ± 20% of initial value								
D.F. (tan δ)	Not more than 200% of specified value								
Leakage current	initial specified value or less								
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	1.16	1.30	1.41	1.43

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■ STANDARD RATINGS

Rated Voltage (SurageVoltage) (V)	Cap ( $\mu$ F)	Case size $\Phi$ D $\times$ L(mm)	$\tan \delta$	Ripple current (A/rms105°C) (120Hz)	Rated Voltage (SurageVoltage) (V)	Cap ( $\mu$ F)	Case size $\Phi$ D $\times$ L(mm)	$\tan \delta$	Ripple current (A/rms105°C) (120Hz)		
400 (450)	150	22x25	0.15	0.57	420(470)	470	25x50	0.20	1.28		
	180	22x30	0.15	0.68			30x35	0.20	1.22		
	220	22x35	0.15	0.80			35x30	0.20	1.25		
		25x25	0.15	0.75			560	30x40	0.20	1.40	
	270	22x40	0.15	0.94				35x35	0.20	1.45	
		25x30	0.15	0.89			680	30x50	0.20	1.70	
	330	22x45	0.15	1.09		35x40		0.20	1.69		
		25x35	0.15	1.05		820	30x55	0.20	1.95		
		30x25	0.15	1.02			35x45	0.20	1.95		
	420(470)	390	22x50	0.15		1.25	450 (500)	120	22x25	0.20	0.55
			25x40	0.15		1.21		180	22x30	0.20	0.72
			30x30	0.15		1.20		220	25x25	0.20	0.72
			35x25	0.15		1.23			22x35	0.20	0.85
		470	25x45	0.15		1.40		270	22x50	0.20	1.06
			30x35	0.15		1.40			25x35	0.20	1.02
		560	30x40	0.15		1.62			30x25	0.20	0.99
			35x30	0.15		1.58		330	22x50	0.20	1.23
		680	30x45	0.15		1.87			25x40	0.20	1.19
35x35			0.15	1.85	30x30	0.20			1.18		
820	35x40	0.15	2.14	390	25x45	0.20		1.37			
1000	35x50	0.15	2.50		30x35	0.20		1.36			
420(470)	150	22x25	0.20		0.50	35x30		0.20	1.41		
	180	22x30	0.20	0.59	470	25x50		0.20	1.57		
		25x25	0.20	0.59		30x40		0.20	1.58		
	220	22x35	0.20	0.69		35x35		0.20	1.64		
		22x40	0.20	0.81	560	30x45		0.20	1.82		
	270	25x30	0.20	0.78		35x40		0.20	1.89		
		30x25	0.20	0.80	680	30x50	0.20	2.09			
	330	22x45	0.20	0.95		35x45	0.20	2.16			
		25x35	0.20	0.92	820	30x60	0.20	2.49			
	390	25x40	0.20	1.05		35x50	0.20	2.51			
30x30		0.20	1.04								