

Jamicon Series : LA

Teapo Series : LA

Charge-Discharge Facility Series

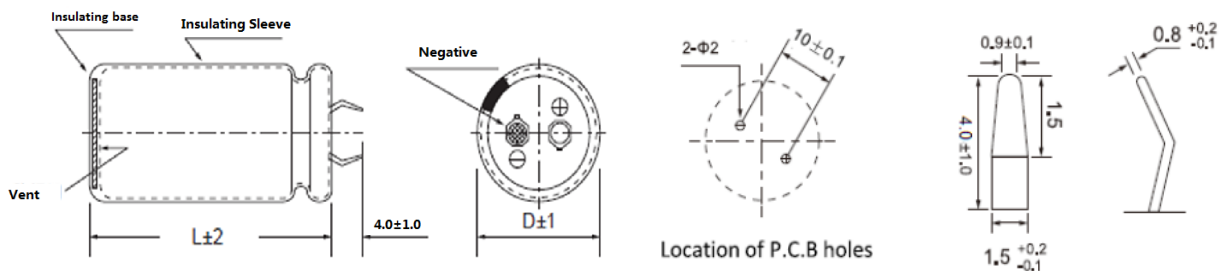


- Endurance:105°C 3000 hours
- Suitable for high frequency of regenerative voltage of AC servo motor and general inverter
- Most suitable for high frequency power on/off applications and applications where the power supply voltage varies greatly
- Can withstand DC charge and discharge for 50 million cycles
- Corresponding product to RoHS

SPECIFICATIONS

Item	Characteristics												
Category Temperature Range	-25 ~ +105°C												
Rated Voltage Range	350~ 450VDC												
Rated Capacitance Range	100 ~ 820 μF												
Capacitance Tolerance	± 20 % (120Hz , 20°C)												
Leakage Current (20°C)	$I = \sqrt{CV}$. (After rated voltage applied for 5minutes) I : Max. leakage current (μA), C : Nominal capacitance (μF), V : Rated voltage (V)												
Dissipation Factor(MAX) (tan δ) (120Hz ,20°C)	WV	350~400	420~450										
	tan δ	0.15	0.20										
Charge discharge condition	Frequency	6Hz											
	Cycle	50 million cycles											
Voltage waveform	Rated Voltage Range 												
	Low Temperature Stability Impedance Ratio (MAX) Measurement frequency : 120Hz <table border="1"> <tr> <td>Rated voltage(V)</td> <td>350</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> <td>8</td> </tr> </table>				Rated voltage(V)	350	400	420	450	Z-25°C / Z+20°C	8	8	8
Rated voltage(V)	350	400	420	450									
Z-25°C / Z+20°C	8	8	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	Leakage current												
	Not more than the specified value												
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
350~450V	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)	$\tan \delta$	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)
350(400)	120	22x25	0.15	0.75	420(470)	100	22x25	0.20	0.66
	150	22x30	0.15	0.82		120	22x30	0.20	0.81
	180	25x25	0.15	0.90		150	25x25	0.20	0.81
	220	22x35	0.15	1.00		22x35	0.20	0.84	
		25x30	0.15	1.00		25x30	0.20	0.84	
	270	22x40	0.15	1.10		180	22x40	0.20	0.91
		25x35	0.15	1.10		25x30	0.20	0.91	
		30x25	0.15	1.10		30x25	0.20	0.91	
	330	22x45	0.15	1.20		220	22x45	0.20	1.05
		25x40	0.15	1.20		25x35	0.20	1.05	
		30x30	0.15	1.20		30x30	0.20	1.05	
	390	25x45	0.15	1.30		270	25x40	0.20	1.25
		30x35	0.15	1.30		30x30	0.20	1.25	
	470	25x50	0.15	1.40		35x25	0.20	1.25	
		30x40	0.15	1.40		25x50	0.20	1.42	
		35x30	0.15	1.40		30x35	0.20	1.42	
560	30x45	0.15	1.50	35x30	0.20	1.42			
	35x35	0.15	1.50	30x40	0.20	1.61			
680	30x50	0.15	1.70	390	35x35	0.20	1.61		
	35x40	0.15	1.70	470	30x45	0.20	1.86		
820	35x45	0.15	1.90	35x40	0.20	1.86			
400(450)	100	22x25	0.15	0.68	560	35x45	0.20	1.98	
	120	22x30	0.15	0.73	680	35x50	0.20	2.20	
	150	22x35	0.15	0.85	450(500)	100	22x30	0.20	0.69
	180	22x35	0.15	0.95		120	25x25	0.20	0.69
		25x30	0.15	0.95		22x35	0.20	0.72	
	220	30x25	0.15	0.95		150	22x40	0.20	0.79
		22x45	0.15	1.10		25x30	0.20	0.79	
		25x35	0.15	1.10		30x25	0.20	0.79	
	270	30x25	0.15	1.10		180	22x45	0.20	0.87
		22x50	0.15	1.22		25x35	0.20	0.87	
		25x40	0.15	1.22		30x30	0.20	0.87	
		30x30	0.15	1.22		25x40	0.20	1.05	
	330	35x25	0.15	1.22		220	30x30	0.20	1.05
		25x45	0.15	1.44		35x25	0.20	1.05	
		30x35	0.15	1.44		270	25x50	0.20	1.23
	390	25x50	0.15	1.55		30x35	0.20	1.23	
30x40		0.15	1.55	35x30		0.20	1.23		
470	35x30	0.15	1.55	330		30x40	0.20	1.38	
	30x45	0.15	1.68	35x35	0.20	1.38			
560	35x35	0.15	1.68	390	30x50	0.20	1.61		
	30x50	0.15	1.90	35x40	0.20	1.61			
680	35x40	0.15	1.90	470	35x45	0.20	1.78		
820	35x50	0.15	2.12	560	35x50	0.20	1.99		