

Jamicon Series : HV

Teapo Series : GD Long Life Series

■ Endurance: 105°C 3000hours

■ Recommended Applications: Smoothing circuit, TV/Monitor, Adapter, SMPS

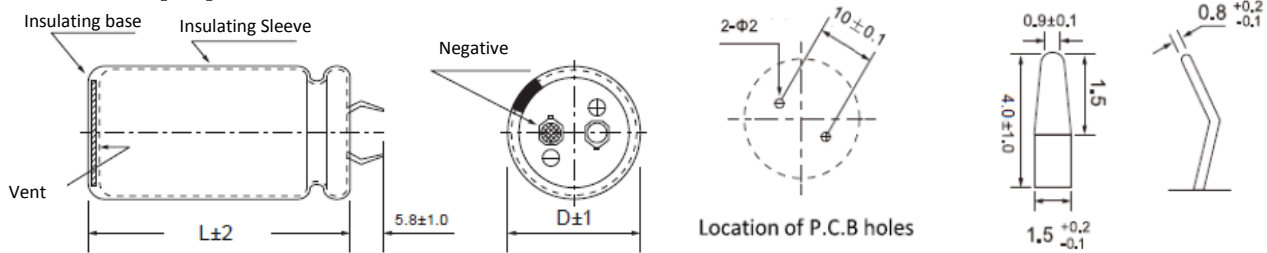
■ Corresponding product to RoHS

■ **SPECIFICATIONS**



Item	Characteristics		
Category Temperature Range	-25 ~ +105°C		
Rated Voltage Range	200~400 VDC		
Rated Capacitance Range	68~1500 μ F		
Capacitance Tolerance	$\pm 20\%$ (120Hz, 20°C)		
Leakage Current (20°C)	$I = \sqrt[3]{CV}$. (After rated voltage applied for 5 minutes) I : Max. leakage current (μ A), C : Nominal capacitance (μ F), V : Rated voltage (V)		
Dissipation Factor(MAX) (tan δ) (120Hz, 20°C)	WV	200	400
	tan δ	0.15	0.15
Low Temperature Stability Impedance Ratio (MAX)	Measurement frequency : 120Hz		
	Rated voltage(V) Z-25°C / Z+20°C	200	400
Endurance	After applying rated voltage with rated ripple current for 3000 hours at 105°C, the capacitors shall meet the following requirements.		
	Capacitance change	Within $\pm 20\%$ of initial value	
	D.F. (tan δ)	Not more than 200% of specified value	
Shelf Life	Leakage current	Not more than the specified value	
	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)	60	120	400	1K	10K
200V	0.80	1.00	1.10	1.30	1.40
400WV	0.80	1.00	1.10	1.30	1.40

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■ STANDARD RATINGS

Rated Voltage (Surge Voltage) (V)	Cap (μF)	Case size Φ DxL(mm)	$\tan \delta$	Ripple current (A/rms105°C) (120Hz)	Rated Voltage (Surge Voltage) (V)	Cap (μF)	Case size Φ DxL(mm)	$\tan \delta$	Ripple current (A/rms105°C) (120Hz)
200V (250)	270	22x25	0.15	0.89	400V (450)	82	25x25	0.15	0.52
	330	22x30	0.15	1.06		100	22x35	0.15	0.65
		25x25	0.15	1.01			25x30	0.15	0.62
	390	22x35	0.15	1.24		120		22x40	0.15
		25x30	0.15	1.18			25x30	0.15	0.68
	470		22x40	0.15			1.44	30x25	0.15
		25x30	0.15	1.30		150	22x45	0.15	0.89
			30x25	0.15			1.34	25x35	0.15
	560	22x45	0.15	1.65		30x30	0.15	0.81	
		25x35	0.15	1.51			180	22x50	0.15
			30x30	0.15		1.58		25x40	0.15
	680	22x50	0.15	1.91		30x30		0.15	0.89
		25x40	0.15	1.76			35x25	0.15	0.91
			30x35	0.15			1.85	220	25x45
	820	25x50	0.15	2.13		30x35	0.15		1.04
30x35		0.15	2.03	35x30	0.15	1.08			
		35x30	0.15		2.03	270	25x50	0.15	1.28
1000	30x45	0.15	2.50	30x40	0.15		1.22		
	35x35	0.15	2.38	35x35	0.15		1.27		
1200		30x50	0.15		2.86	30x45	0.15	1.42	
	35x40	0.15	2.75	35x35	0.15		1.40		
1500		35x45	0.15		3.11	390	30x50	0.15	1.62
400V (450)	68	22x25	0.15	0.46	35x40		0.15	1.61	
	82	22x30	0.15	0.55	470	35x45	0.15	1.86	

■ DC OVERVOLTAGE TEST CONDITION

The vent will be operated and the capacity shall become an open circuit without burning the material when the following excess DC voltage is applied.

Rated Voltage	Capacitance	Current	Test DC Voltage
200VDC	$< 330 \mu F$	4A	300/375 VDC
	$330 \leq C < 470 \mu F$	5A	
	$\geq 470 \mu F$	7A	
400VDC	$< 100 \mu F$	2A	500/600 VDC
	$100 \leq C < 220 \mu F$	4A	
	$\geq 220 \mu F$	7A	