

Jamicon Series : LL

Teapo Series : GC Long Life Series

■ Endurance:85°C 5000hours

■ Recommended Applications :UPS、service system、press working equipment、charging equipment、inverter、converter

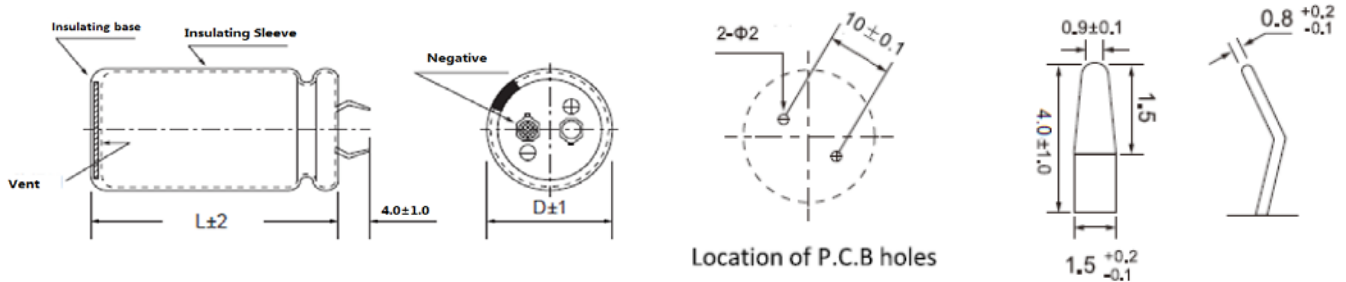
■ Corresponding product to RoHS



### ■ SPECIFICATIONS

Item	Characteristics																		
Category Temperature Range	-40 ~ +85°C																		
Rated Voltage Range	160 ~ 450VDC																		
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>160</td> <td>200</td> <td>250</td> <td>350</td> <td>385</td> <td>400</td> <td>420</td> <td>450</td> </tr> <tr> <td>tan δ</td> <td>0.15</td> <td>0.15</td> <td>0.15</td> <td>0.15</td> <td>0.15</td> <td>0.15</td> <td>0.20</td> <td>0.20</td> </tr> </table>	WV	160	200	250	350	385	400	420	450	tan δ	0.15	0.15	0.15	0.15	0.15	0.15	0.20	0.20
WV	160	200	250	350	385	400	420	450											
tan δ	0.15	0.15	0.15	0.15	0.15	0.15	0.20	0.20											
Low Temperature Stability Impedance Ratio (MAX)	Measurement frequency : 120Hz <table border="1"> <tr> <td>Rated voltage(V)</td> <td>160~250</td> <td>350~450</td> </tr> <tr> <td>Z-25°C / Z+20°C</td> <td>4</td> <td>8</td> </tr> </table>	Rated voltage(V)	160~250	350~450	Z-25°C / Z+20°C	4	8												
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Z-25°C / Z+20°C	4	8																	
Endurance	After applying rated voltage with rated ripple current for 5000 hours at 85°C , the capacitors 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>Not more than the specified value</td> </tr> </table>	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												
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Leakage current	Not more than the 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 85°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]



### ■ 纹波电流修正系数

WV	Freq. (Hz)	60	120	400	1k	10k
≥160V		0.8	1.00	1.10	1.30	1.40

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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/rms 85°C) (120Hz)	Rated Voltage (SurageVoltage) (V)	Cap ( $\mu$ F)	Case size $\Phi$ D $\times$ L(mm)	tan $\delta$	Ripple current (A/rms 85°C) (120Hz)
160V (200)	220	22x25	0.15	1.13	385V	330	35x30	0.15	1.96
	330	22x30	0.15	1.44		470	30x50	0.15	2.58
	470	22x35	0.15	1.85		35x40	0.15	2.58	
		25x30	0.15	1.85		560	35x45	0.15	2.88
	680	22x45	0.15	2.47		680	35x50	0.15	3.12
		25x35	0.15	2.47	400V (450)	68	22x25	0.15	0.63
		30x30	0.15	2.47		100	22x30	0.15	0.81
	25x45	0.15	3.19	25x25			0.15	0.82	
	1000	30x35	0.15	3.19		120	22x35	0.15	0.95
		35x30	0.15	3.19			25x30	0.15	0.95
1500		30x45	0.15	4.33		150	22x40	0.15	1.13
	35x40	0.15	4.33	25x35			0.15	1.13	
2200	35x50	0.17	5.97	30x25			0.15	1.13	
200V (250)	220	22x25	0.15	1.13		180	25x40	0.15	1.24
	330	22x30	0.15	1.44			30x30	0.15	1.24
		25x25	0.15	1.55	220	25x40	0.15	1.44	
	470	22x40	0.15	1.96		30x35	0.15	1.55	
		25x30	0.15	1.96	270	25x45	0.15	1.65	
	680	30x25	0.15	1.96		30x35	0.15	1.65	
		25x40	0.15	2.58	35x25	0.15	1.65		
		30x30	0.15	2.47	330	30x45	0.15	2.06	
	1000	30x40	0.15	3.40		35x35	0.15	2.06	
		1500	35x35	0.15	3.61	390	30x50	0.15	2.27
35x45	0.15		4.74	35x40	0.15		2.27		
250V (300)	150	22x25	0.15	0.94	420V (470)	470	35x45	0.15	2.68
	220	22x30	0.15	1.24		560	35x50	0.15	2.99
		25x25	0.15	1.24		100	22x30	0.20	0.81
	330	22x40	0.15	1.65			25x25	0.20	0.82
		25x30	0.15	1.65		120	22x40	0.20	0.97
	470	25x40	0.15	2.16			25x30	0.20	0.97
		30x30	0.15	2.06		150	22x45	0.20	1.11
	560	25x45	0.15	2.50			25x35	0.20	1.14
		30x35	0.15	2.50			30x25	0.20	1.15
	680	35x25	0.15	2.50		180	22x50	0.20	1.30
30x40		0.15	2.78	25x35	0.20		1.25		
35x30		0.15	2.78	30x30	0.20	1.30			
1000	35x40	0.15	3.71	220	25x40	0.20	1.45		
350V (400)	68	22x25	0.15		0.63	30x35	0.20	1.50	
	100	22x30	0.15	0.81	270	25x50	0.20	1.70	
		25x25	0.15	0.82		30x35	0.20	1.67	
	150	22x40	0.15	1.13	35x30	0.20	1.76		
		25x30	0.15	1.03	330	30x45	0.20	2.02	
	220	22x50	0.15	1.11		35x35	0.20	2.04	
		25x40	0.15	1.44	390	30x50	0.20	2.29	
		30x30	0.15	1.44		35x40	0.20	2.29	
	330	25x50	0.15	1.96	470	35x45	0.20	2.66	
		30x40	0.15	1.96		560	35x50	0.20	3.02
35x30		0.15	1.96	450V (500)	47	22x25	0.20	0.53	
470	30x50	0.15	2.58		68	22x30	0.20	0.67	
	35x40	0.15	2.58			25x25	0.20	0.68	
560	35x45	0.15	2.88		100	22x40	0.20	0.91	
	35x50	0.15	3.12			25x30	0.20	0.89	
680	30x40	0.15	1.96			30x25	0.20	0.93	
	100	22x30	0.15		0.81	150	22x50	0.20	1.20
		25x25	0.15		0.82		25x40	0.20	1.24
150	22x40	0.15	1.03		180	30x30	0.20	1.13	
	25x30	0.15	1.03			25x45	0.20	1.34	
220	22x50	0.15	1.44	220	30x35	0.20	1.34		
	25x40	0.15	1.44		35x30	0.20	1.34		
	30x30	0.15	1.44	270	30x40	0.20	1.55		
330	25x50	0.15	1.96		35x40	0.20	1.55		
	30x40	0.15	1.96		30x45	0.20	1.85		

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Rated Voltage (SurageVoltage) (V)	Cap ( $\mu$ F)	Case size $\Phi$ D $\times$ L(mm)	tan $\delta$	Ripple current (A/rms 85°C) (120Hz)
450V (500)	270	35x35	0.20	1.85
	330	35x40	0.20	2.16

Rated Voltage (SurageVoltage) (V)	Cap ( $\mu$ F)	Case size $\Phi$ D $\times$ L(mm)	tan $\delta$	Ripple current (A/rms 85°C) (120Hz)
450V (500)	470	35x50	0.20	2.78