

Jamicon Series : HM

Teapo Series : LS

Downsized · Low profile Series

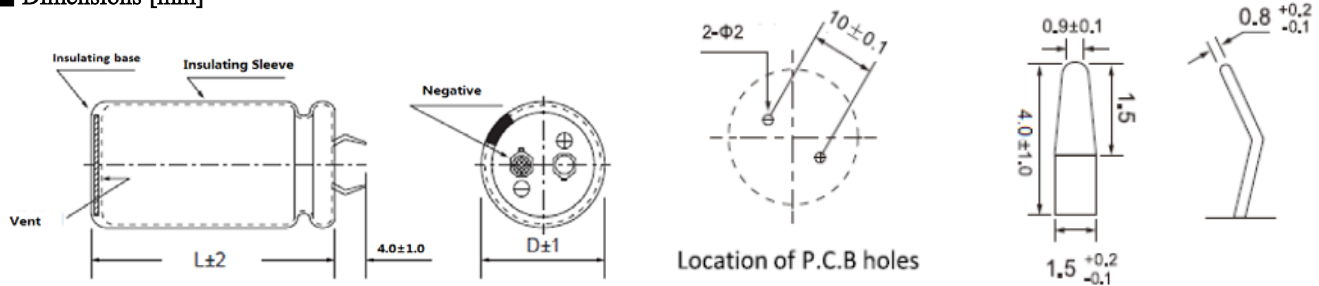


- Endurance: 105°C 2000 hours
- Recommended Applications : Applying to switching power supply and other industry/ commercial field
- Corresponding product to RoHS

■ SPECIFICATIONS

Item	Characteristics												
Category Temperature Range	-25 ~ +105°C												
Rated Voltage Range	160 ~ 450VDC												
Rated Capacitance Range	100 ~ 3300 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" style="width: 100%; text-align: center;"> <tr> <td>WV</td> <td>160</td> <td>200</td> <td>220~400</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>0.20</td> <td>0.20</td> </tr> </table>	WV	160	200	220~400	420	450	tan δ	0.15	0.15	0.15	0.20	0.20
WV	160	200	220~400	420	450								
tan δ	0.15	0.15	0.15	0.20	0.20								
Low Temperature Stability Impedance Ratio (MAX)	Measurement frequency : 120Hz <table border="1" style="width: 100%; text-align: center;"> <tr> <td>WV</td> <td>160</td> <td>200</td> <td>220~400</td> <td>420</td> <td>450</td> </tr> <tr> <td>Z-25°C / Z+20°C</td> <td>4</td> <td>4</td> <td>4</td> <td>8</td> <td>8</td> </tr> </table>	WV	160	200	220~400	420	450	Z-25°C / Z+20°C	4	4	4	8	8
WV	160	200	220~400	420	450								
Z-25°C / Z+20°C	4	4	4	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" style="width: 100%; text-align: center;"> <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	After placed at 105°C without voltage applied for 1000 hours, the capacitor shall meet the same requirement as Endurance.												

■ 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	60	120	1K	10K~100K
160~250V	0.85	0.88	1.00	1.30	1.50
315~450V	0.88	0.9	1.00	1.35	1.45

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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)
160 (200)	560	22x30	0.15	1.48	250 (300)	470	22x35	0.15	1.29
	680	22x35	0.15	1.65		25x30	0.15	1.36	
		25x30	0.15	1.70			560	22x40	0.15
	820	22x40	0.15	2.00		25x35		0.15	1.50
		25x35	0.15	2.00		30x25	0.15	1.44	
	1000	22x50	0.15	2.10		680	22x45	0.15	1.61
		25x40	0.15	2.20			25x40	0.15	1.73
		30x30	0.15	2.20			30x30	0.15	1.71
	1200	25x45	0.15	2.30		820	25x45	0.15	2.00
		30x35	0.15	2.30			30x35	0.15	2.00
	1500	25x50	0.15	2.50		1000	35x30	0.15	2.00
		30x40	0.15	2.50			25x50	0.15	2.20
		35x30	0.15	2.50			30x40	0.15	2.20
	1800	30x45	0.15	2.70		1200	35x30	0.15	2.00
35x35		0.15	2.55	30x45	0.15		2.35		
2200	30x50	0.15	2.90	1500	35x35	0.15	2.32		
	35x45	0.15	2.90		35x40	0.15	2.32		
2700	35x50	0.15	3.25	1800	35x50	0.15	2.71		
3300	35x60	0.15	3.87	400 (450)	120	22x25	0.15	0.63	
200 (250)	470	22x30	0.15		1.44	180	22x30	0.15	0.80
	560	22x35	0.15		1.50	220	25x25	0.15	0.79
		25x30	0.15		1.51		22x35	0.15	0.94
	680	22x40	0.15		1.84	270	25x30	0.15	0.94
		25x35	0.15		1.77		22x40	0.15	1.04
	22x45	0.15	2.05		25x35		0.15	1.06	
	820	25x40	0.15		1.99	330	30x25	0.15	1.03
		30x30	0.15		1.96		22x50	0.15	1.27
		25x45	0.15		2.37		25x40	0.15	1.24
	1000	30x35	0.15		2.41	390	30x30	0.15	1.22
		25x50	0.15		2.54		35x25	0.15	1.25
	1200	30x40	0.15		2.43		470	25x45	0.15
		35x30	0.15		2.49	30x35		0.15	1.42
	1500	30x45	0.15	2.57	560	35x30		0.15	1.55
35x35		0.15	2.57	30x40		0.15	1.55		
1800	30x50	0.15	2.70	680	35x30	0.15	1.51		
	35x40	0.15	2.82		30x45	0.15	1.68		
2200	35x45	0.15	3.16	820	35x35	0.15	1.66		
2700	35x55	0.15	3.60		30x50	0.15	1.93		
220 (270)	330	22x25	0.15	1.26	420(470)	35x40	0.15	1.92	
	390	22x30	0.15	1.34		120	22x25	0.20	0.46
	470	22x35	0.15	1.48		150	22x30	0.20	0.54
		25x30	0.15	1.40			25x25	0.20	0.65
	560	22x40	0.15	1.45		180	22x35	0.20	0.64
		25x30	0.15	1.45			25x30	0.20	0.64
	680	22x40	0.15	1.49		220	22x40	0.20	0.80
		25x35	0.15	1.78			25x35	0.20	0.80
		30x30	0.15	1.65			30x25	0.20	0.80
	820	22x50	0.15	1.93		270	22x50	0.20	1.00
		25x40	0.15	1.93			25x40	0.20	1.00
		30x30	0.15	1.85			30x30	0.20	1.00
	1000	35x25	0.15	1.93		330	25x45	0.20	1.10
		25x45	0.15	2.15			30x35	0.20	1.10
30x35		0.15	2.33	35x30	0.20		1.10		
1200	35x30	0.15	2.33	390	25x50	0.20	1.20		
	30x40	0.15	2.50		30x40	0.20	1.20		
1500	35x30	0.15	2.12	470	35x30	0.20	1.20		
	30x45	0.15	2.30		30x45	0.20	1.30		
1800	35x35	0.15	2.25	560	35x35	0.20	1.30		
	35x40	0.15	2.43		30x50	0.20	1.60		
2200	35x50	0.15	2.95	680	35x40	0.20	1.60		
250 (300)	390	22x30	0.15	1.15	680	35x45	0.20	2.00	
	25x25	0.15	1.21						

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Rated Voltage (SurageVoltage) (V)	Cap (μ F)	Case size Φ D \times L(mm)	tan δ	Ripple current (A/rms105°C) (120Hz)
420(470)	820	35x50	0.20	2.30
450 (500)	100	22x25	0.20	0.54
	120	22x30	0.20	0.63
	150	22x35	0.20	0.76
		25x25	0.20	0.73
	180	22x40	0.20	0.84
		25x30	0.20	0.80
	220	22x45	0.20	0.97
		25x35	0.20	0.94
		30x25	0.20	0.91
	270	22x50	0.20	1.07
25x40		0.20	1.04	

Rated Voltage (SurageVoltage) (V)	Cap (μ F)	Case size Φ D \times L(mm)	tan δ	Ripple current (A/rms105°C) (120Hz)
450 (500)	270	30x35	0.20	1.10
		35x25	0.20	1.16
	330	25x50	0.20	1.27
		30x35	0.20	1.21
		35x30	0.20	1.25
	390	30x40	0.20	1.39
		35x35	0.20	1.44
	470	30x45	0.20	1.52
		35x35	0.20	1.50
	560	35x40	0.20	1.63
	680	35x50	0.20	1.97