

Jamicon Series : HM

Teapo Series : LS

Downsized · Low profile Series

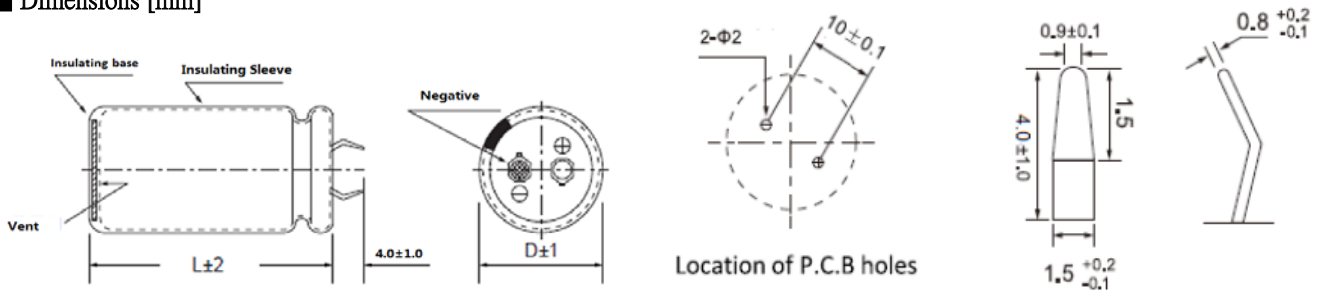


- Endurance: 105°C 2000 hours
- Recommended Applications : Applying to switching power supply and other industry/ commercial field
- Corresponding product to RoHS

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)	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					
	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.					
	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	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 (SurgeVoltage) (V)	Cap (μ F)	Case size Φ DxL(mm)	tan δ	Ripple current (A/rms105°C) (120Hz)	Rated Voltage (SurgeVoltage) (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	1.40
	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
		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
		25x50	0.15	2.50			35x30	0.15	2.00
	1500	30x40	0.15	2.50		1000	25x50	0.15	2.20
		35x30	0.15	2.50			30x40	0.15	2.20
		30x45	0.15	2.70			35x30	0.15	2.00
1800	35x35	0.15	2.55	1200	30x45	0.15	2.35		
	30x50	0.15	2.90		35x35	0.15	2.32		
2200	35x45	0.15	2.90	1500	35x40	0.15	2.32		
	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	25x25	0.15	0.79	
		25x30	0.15		1.51	220	22x35	0.15	0.94
	680	22x40	0.15		1.84		25x30	0.15	0.94
		25x35	0.15		1.77	270	22x40	0.15	1.04
	820	22x45	0.15		2.05		25x35	0.15	1.06
		25x40	0.15		1.99		30x25	0.15	1.03
		30x30	0.15		1.96	330	22x50	0.15	1.27
	1000	25x45	0.15		2.37		25x40	0.15	1.24
		30x35	0.15		2.41		30x30	0.15	1.22
	1200	25x50	0.15		2.54		35x25	0.15	1.25
		30x40	0.15		2.43	390	25x45	0.15	1.41
		35x30	0.15		2.49		30x35	0.15	1.42
	1500	30x45	0.15	2.57	35x30	0.15	1.55		
35x35		0.15	2.57	470	30x40	0.15	1.55		
1800	30x50	0.15	2.70		35x30	0.15	1.51		
	35x40	0.15	2.82	560	30x45	0.15	1.68		
2200	35x45	0.15	3.16		35x35	0.15	1.66		
2700	35x55	0.15	3.60	680	30x50	0.15	1.93		
220 (270)	330	22x25	0.15	1.26	820	35x40	0.15	1.92	
	390	22x30	0.15	1.34	420(470)	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
		35x25	0.15	1.93			330	25x45	0.20
	1000	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	35x30	0.20	1.20			
	30x45	0.15	2.30	470	30x45	0.20	1.30		
1800	35x35	0.15	2.25		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	35x45	0.20	2.00		
		25x25	0.15	1.21					

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Rated Voltage (SurageVoltage) (V)	Cap (μF)	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 (μF)	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