

Jamicon Series : SA

Teapo Series : TT

Low impedance · Long life · Miniaturization Series(No water)



■ Endurance: 105°C 5000hrs

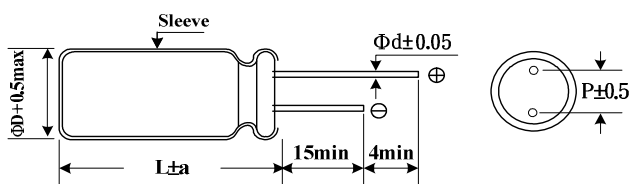
■ Recommended Applications : Apply to the requirement of long life, low impedance, high reliability, etc.

■ Corresponding product to RoHS

■ SPECIFICATIONS

Item	Characteristics						
Category Temperature Range	-40 ~ +105°C						
Rated Voltage Range	6.3 ~ 50VDC						
Rated Capacitance Range	1~270 μF						
Capacitance Tolerance	± 20 % (120Hz , 20°C)						
Leakage Current (20°C)	I=0.03CV or 3 μA whichever is greater. (After rated voltage applied for 2 minutes) I : Max. leakage current (μA), C : Nominal capacitance (μF), V : Rated voltage (V)						
Dissipation Factor(MAX) (tan δ) (120Hz ,20°C)	WV	6.3	10	16	25	35	50
	tan δ	0.5	0.4	0.35	0.3	0.25	0.25
Low Temperature Stability Impedance Ratio (MAX)	WV	6.3	10	16	25	35	50
	Z(120Hz)						
	Z-25°C / Z+20°C	4	3	2	2	2	2
	Z-40°C / Z+20°C	8	6	4	3	3	3
Endurance	After applying rated voltage with rated ripple current for 5000hours at 105°C, the capacitors shall meet the following requirements.						
	Capacitance change	Within ± 30% of initial value					
	D.F. (tan δ)	Not more than 300% of specified value					
	Leakage current						
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.						
	Capacitance change	Within ± 25% of initial value					
	D.F. (tan δ)	Not more than 200% of specified value					
	Leakage current	Not more than the specified value					

■ Dimensions [mm]



Vent only for 8 Φ

ΦD	4	5	6.3	8
P	1.5	2.0	2.5	3.5
Φd	0.45	0.45	0.45	(0.45)0.5
a	1.0	1.0	1.0	1.0

() : L = 5

■ Multiplier for Ripple Current

Freq. (Hz)	120	1 K	10 K	100 K
1~3.3 μF	0.20	0.66	0.90	1.00
4.7~6.8 μF	0.35	0.70	0.90	1.00
10~150 μF	0.40	0.75	0.90	1.00
220~270 μF	0.50	0.85	0.94	1.00

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■ STANDARD RATINGS

Rated Voltage (SurageVoltage) (V)	Cap (μ F)	Case size Φ DxL(mm)	Ripple current (mA/rms105°C) (100KHz)	Impedance (Ω ,20°C) (100KHz)	Rated Voltage (SurageVoltage) (V)	Cap (μ F)	Case size Φ DxL(mm)	Ripple current (mA/rms105°C) (100KHz)	Impedance (Ω ,20°C) (100KHz)	
6.3V (8)	33	4x5	37	5.4	25V (32)	15	4x7	44	4.5	
	47	4x7	44	4.5			5x5	57	3.1	
	56	5x5	57	3.1			5x7	70	2.5	
	82	5x7	70	2.5			6.3x5	82	1.7	
	100	6.3x5	82	1.7			6.3x7	116	1.3	
	150	6.3x7	116	1.3			8x5	110	1.5	
	220	8x5	110	1.5			8x7	162	0.9	
10V (13)	22	4x5	37	5.4	35V (44)	4.7	4x5	37	5.4	
	33	4x7	44	4.5			6.8	4x7	44	4.5
		5x5	57	3.1				5x5	57	3.1
	47	5x7	70	2.5			10	5x7	70	2.5
	68	6.3x5	82	1.7				22	6.3x5	82
	100	6.3x7	116	1.3			6.3x7		116	1.3
	150	8x5	110	1.5			33	8x5	110	1.5
220	8x7	162	0.9	47	8x7	162	0.9			
16V (20)	15	4x5	37	5.4	50V (63)	1.0	4x5	18	19	
		4x7	44	4.5			2.2	4x5	22	14
	22	5x5	57	3.1			3.3	4x5	26	11
		5x7	70	2.5			4.7	4x7	30	9
	33	5x7	70	2.5				5x5	40	6
	47	6.3x5	82	1.7			6.8	5x7	50	4.8
	68	6.3x7	116	1.3			10	6.3x5	63	2.9
100	8x5	110	1.5	15	6.3x7	90	2.2			
150	8x7	162	0.9	22	8x5	84	2.6			
25V (32)	10	4x5	37		5.4	8x7	120	1.6		