

Jamicon Series : TV

Teapo Series : ST Low impedance · Long life Series

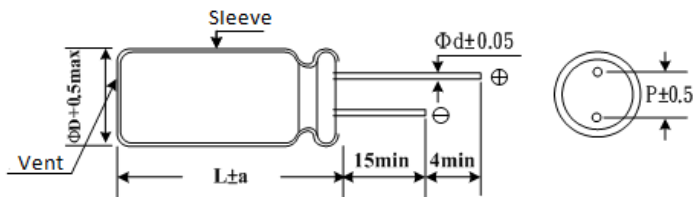


- Recommended Applications : Applicable for SMPS, Adaptor,Charger,Monitor/Computer
- Corresponding product to RoHS

■ SPECIFICATIONS

Item	Characteristics								
Category Temperature Range	-55 ~ +105°C								
Rated Voltage Range	6.3~100VDC								
Rated Capacitance Range	10 ~ 15000 µF								
Capacitance Tolerance	± 20 % (120Hz , 20°C)								
Leakage Current (20°C)	I=0.01CV or 3 µ A whichever is greater. (After rated voltage applied for 2 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	6.3	10	16	25	35	50	63	100
	tan δ	0.22	0.19	0.16	0.14	0.12	0.14	0.14	0.14
When nominal capacitance is over 1000 µ F,tan δ shall be added 0.02 to the listed value with increase of every 1000 µ F. Down size tan δ add 3%.									
Low Temperature Stability Impedance Ratio (MAX)	WV	6.3	10	16	25	35	50	63	100
	Z(120Hz)	4	3	2	2	2	2	2	2
	Z-25°C / Z+20°C	8	6	4	3	3	3	3	3
Endurance	After applying rated voltage with rated ripple current for 4000~10000hours at 105°C, the capacitors shall meet the following requirements.								
	Capacitance change	Within ± 25% of initial value							
	D.F. (tan δ)	Not more than 200% of specified value							
	Leakage current	initial specified value or less							
Shelf Life	ΦD	5~6.3Φ	8~10Φ	12.5~18Φ					
	6.3~10(V)	4000hrs	6000hrs	8000hrs					
	16~100(V)	5000hrs	7000hrs	10000hrs					
After placed at 105°C without voltage applied for 1000 hours,the capacitors shall meet the same requirement as load life.									

■ Dimensions [mm]



ΦD	5	6.3	8	10	13	16	18
P	2.0	2.5	3.5	5.0	5.0	7.5	7.5
Φd	0.5	0.5	0.6	0.6	0.6	0.8	0.8
a	1.5	1.5	1.5	1.5	2.0	2.0	2.0

■ Multiplier for Ripple Current

Freq. (Hz)	120	1K	10K	100K
10~180	0.4	0.75	0.90	1.00
220~560	0.5	0.85	0.94	1.00
680~1800	0.6	0.87	0.95	1.00
2200~3900	0.75	0.90	0.95	1.00
4700 µ F Higher	0.85	0.95	0.98	1.00

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■ STANDARD RATINGS

Rated Voltage (SurageVoltage) (V)	Cap (μF)	Case size Φ DxL(mm)	Ripple current (mA/rms105°C) (100KHz)	Impedance (Ω,25°C) (100KHz)	Rated Voltage (SurageVoltage) (V)	Cap (μF)	Case size Φ DxL(mm)	Ripple current (mA/rms105°C) (100KHz)	Impedance (Ω,25°C) (100KHz)	
6.3(8)	150	5x11	210	0.720	25 (32)	2700	16x25	2930	0.028	
	330	6.3x11	340	0.380		3300	16x32	3450	0.025	
	680	8x11	640	0.200		3900	18x32	4170	0.015	
	820	8x15	840	0.160		4700	18x36	4280	0.014	
	1000	10x12	865	0.120		35 (44)	33	5x11	210	0.720
	1500	8x20	1050	0.110	47		6.3x11	340	0.380	
		10x15	1210	0.084	150		8x11	640	0.200	
	2200	10x20	1400	0.062	220		8x15	840	0.160	
	2700	10x25	1650	0.052	330		10x20	1400	0.062	
	3300	13x20	1900	0.046	470		10x25	1650	0.052	
			2230	0.034	680		10x30	1910	0.044	
	4700	13x30	2650	0.030			13x20	1900	0.046	
	5600	13x35	2880	0.027	820		13x25	2230	0.045	
			3350	0.024	1000		13x25	2230	0.045	
	6800	16x25	2930	0.028	1200		13x30	2650	0.030	
			3450	0.025	1500		13x35	2880	0.027	
8200	16x32	3610	0.018	1800	13x40		3350	0.024		
10000	16x36	4170	0.015	2200	16x32		3450	0.025		
12000	18x32	4220	0.014	2700	16x36		3610	0.022		
10(13)	100	5x11	210	0.72	50 (63)	3300	18x36	4220	0.020	
	220	6.3x11	340	0.38		10	5x11	120	3.50	
	470	8x11	640	0.200		22	5x11	210	2.300	
	680	8x15	840	0.160		33	6.3x11	340	1.200	
	1000	10x15	1210	0.084		47	6.3x11	340	1.200	
	1500	10x20	1400	0.062		100	8x11	555	0.630	
			1650	0.052		120	8x15	730	0.450	
	2200	10x25	1900	0.046		150	8x20	910	0.330	
	2700	13x20	2230	0.034		220	10x16	1050	0.310	
			2650	0.030		330	10x20	1400	0.210	
	3900	13x30	2880	0.027		470	10x30	1690	0.150	
	4700	13x35	3350	0.024			13x20	1660	0.160	
			2930	0.028		560	13x25	1950	0.120	
	5600	16x25	3450	0.025		680	13x30	2310	0.100	
			3610	0.018		820	13x35	2510	0.083	
	6800	16x32	4220	0.014	1000	16x25	2555	0.073		
16 (20)	56	5x11	210	0.720	63 (79)	1200	16x32	3010	0.054	
	100	6.3x11	340	0.380		1500	16x36	3150	0.045	
	220	8x11	640	0.200		1800	18x32	3635	0.047	
	330	8x15	701	0.160		2200	18x36	3680	0.040	
	470	8x15	840	0.160		2700	18x40	3800	0.036	
	680	10x15	1210	0.084		100 (125)	10	5x11	55	2.300
	1000	10x20	1400	0.062			33	6.3x11	115	1.200
	1500	10x25	1650	0.052			56	8x11	232	0.630
			2230	0.034			120	10x16	357	0.310
	2700	13x20	2650	0.030			180	10x20	466	0.210
	3300	13x30	2880	0.027			220	10x25	531	0.200
			3350	0.024			270	10x30	663	0.150
	3900	13x40	3450	0.028				13x20	690	0.160
			3610	0.018			330	13x25	784	0.120
	4700	16x32	4170	0.015			470	13x30	905	0.100
			4220	0.014	560		13x35	1050	0.083	
25 (32)	47	5x11	210	0.720	680		13x40	1180	0.071	
	100	6.3x11	340	0.380	820		16x32	1570	0.054	
	150	8x11	640	0.200	1000		16x36	1790	0.045	
	220	8x11	640	0.200	1200		16x40	2020	0.040	
	330	8x15	840	0.160	100 (125)	10	6.3x11	55	5.000	
	470	10x15	1210	0.084		15	6.3x11	70	5.000	
	680	10x20	1400	0.062		22	8x11	85	2.700	
	820	10x25	1650	0.052		33	8x11	95	2.500	
	1000	13x20	1900	0.046		47	8x15	150	1.800	
	1500	13x25	2230	0.034		56	8x20	200	1.500	
2880			0.027	68		10x15	230	1.300		

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Rated Voltage (SurageVoltage) (V)	Cap (μ F)	Case size Φ D \times L(mm)	Ripple current (mA/rms105°C) (100KHz)	Impedance (Ω ,25°C) (100KHz)
100 (125)	82	10x20	250	1.200
	100	10x20	330	0.950
	120	10x25	400	0.800
	150	13x20	460	0.900
	220	13x25	640	0.600
	330	16x25	720	0.570

Rated Voltage (SurageVoltage) (V)	Cap (μ F)	Case size Φ D \times L(mm)	Ripple current (mA/rms105°C) (100KHz)	Impedance (Ω ,25°C) (100KHz)
100 (125)	470	16x32	770	0.550
		18x25	840	0.500
	680	18x36	1400	0.180
	820	18x40	1850	0.130
	1000	18x40	1850	0.130