

Jamicon Series : TC

Teapo Series : SQ High Ripple Series

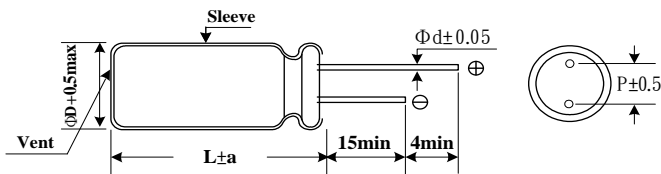
- Endurance: 105°C 2000 hours
- Recommended Applications : AV(TV, Video, Audio); Monitor/Computer; OA/HA/Communication; Converter/Inverter; Energy saving lamp; PFC circuit; SMPS; Ballast; Adapter
- Corresponding product to RoHS



**SPECIFICATIONS**

Item	Characteristics							
Category Temperature Range	-40~+105°C							
Rated Voltage Range	160 ~ 500VDC							
Rated Capacitance Range	2.2 ~ 220 μF							
Capacitance Tolerance	± 20 % ( 120Hz , 20°C)							
Leakage Current (20°C)	I=0.03CV +10 μ A (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	160	200	250	350	400	420~450	
	tan δ	0.15	0.15	0.15	0.24	0.24	0.24	
Low Temperature Stability Impedance Ratio (MAX)	WV		160	200	250	350	400	420~450
	Z (120Hz)							
	Z(-25°C) / Z(20°C)		3	3	3	5	5	6
Z(-40°C) / Z(20°C)		4	4	4	6	6	8	
Endurance	After applying rated voltage with rated ripple current for 2000 hours at 105°C, the capacitors shall meet the following requirements.							
	Capacitance change	Within ± 20% of initial value						
	D.F. (tan δ )	Not more than 200% of 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 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.							
	Leakage current							

**Dimensions [mm]**



ΦD	8	10	12.5	13	16	18
P	3.5	5	5.0	5	7.5	7.5
Φd	0.6	0.6	0.6	0.6	0.8	0.8
a	1.5(2.0)	1.5(2.0)	2.0(2.5)	2.0	2.0	2.0

Notes : ( ):L ≥ 30mm

**Multiplier for Ripple Current**

Freq. (Hz)		50	120	1K	10K	100K
Coefficient	< 33 μF	0.80	1.00	1.36	1.54	1.80
	≥ 33 μF	0.85	1.00	1.28	1.35	1.40

Jamicon Series : TC

Teapo Series : SQ

■STANDARD RATINGS

Rated Voltage (Surge Voltage) (V)	Cap (μF)	Case size Φ DxL(mm)	Ripple current (mA/rms105°C) (120Hz)	Ripple current (mA/rms105°C) (100KHz)	Rated Voltage (Surge Voltage) (V)	Cap (μF)	Case size Φ DxL(mm)	Ripple current (mA/rms105°C) (120Hz)	Ripple current (mA/rms105°C) (100KHz)
160(200)	22	10x20	195	350	400(450)	39	8x52	320	448
	33	13x20	315	450			10x40	320	448
	47	13x25	420	600		47	10x45	355	500
	68	13x25	420	600			12.5x40	365	510
	100	16x25	665	950			16x25	350	490
	220	18x36	980	1400			18x32	600	860
200(250)	22	10x20	195	350		56	10x50	405	566
	33	13x20	365	520			12.5x40	405	566
	47	13x25	420	600			10x55	460	640
	68	16x25	665	950		68	12.5x45	460	640
	100	16x32	840	1200			16x30	510	714
250(300)	10	10x20	120	220			16x32	550	770
	22	8x30	200	360		12.5x50	525	735	
		13x25	165	300		82	18x32	680	952
	27	8x35	215	380			18x32	750	1050
	33	8x35	240	336	150	18x36	800	1120	
		13x25	280	400	420(470)	15	8x35	150	270
	39	8x40	260	360		22	8x40	195	350
		10x30	275	500		27	8x45	220	396
	47	8x45	310	558			10x35	220	396
		16x25	505	720		33	8x50	285	400
	56	10x40	350	490			10x40	285	400
	68	10x40	400	560		39	10x42	310	430
		16x32	570	810			12.5x35	320	448
	82	10x45	450	630		47	10x45	350	490
		10x50	525	940			12.5x40	350	490
100	18x36	735	1050	56	10x52	390	545		
	12.5x45	725	1015		12.5x42	390	545		
350(400)	2.2	10x16	30	50	68	12.5x45	450	630	
	3.3	10x16	35	60	82	12.5x52	535	750	
	4.7	10x20	45	78	450(500)	2.2	10x16	60	110
	10	13x20	75	130		3.3	10x20	75	135
	15	8x30	140	250		4.7	13x20	105	190
		8x35	180	324		10	13x25	140	250
	22	16x25	115	205		12	8x30	115	210
		8x40	210	380		15	8x35	135	240
	27	8x42	240	336		22	8x42	190	340
		16x32	180	255			10x30	190	340
	39	10x40	280	390			13x20	180	324
		10x45	325	455			13x25	200	360
	47	18x32	225	320			16x32	265	480
		10x50	380	530		27	8x45	210	378
	56	12.5x40	430	602			10x35	210	378
68	12.5x45	500	700	33		8x52	290	406	
82	12.5x50	630	880			10x42	290	406	
	18x45	370	530		16x25	350	500		
400(450)	2.2	10x16	80	140	18x36	455	650		
	3.3	10x20	110	195	39	10x45	320	448	
	4.7	10x25	120	220		12.5x40	330	460	
	15	8x35	170	306	47	10x50	360	500	
	10	10x16	135	243		12.5x42	370	666	
		13x25	200	360	16x25	380	532		
	22	8x40	220	395	56	12.5x45	415	580	
		13x20	240	432		12.5*50	475	665	
		13x25	265	477	68	18x25	470	658	
		16x25	315	570		82	12.5x55	535	750
	27	8x45	250	350	18x36		520	720	
		10x35	250	350	100	18x40	620	860	
	33	8x50	295	410		120	18x40	650	910
		10x40	295	410	18x45	720	1000		
		16x32	490	700					

凯美系列：TC

智宝系列：SQ

■标准品规格一览表

Rated Voltage (SurageVoltage) (V)	Cap ( $\mu$ F)	Case size $\Phi$ D $\times$ L(mm)	Ripple current (mA/rms105 $^{\circ}$ C) (120Hz)	Ripple current (mA/rms105 $^{\circ}$ C) (100KHz)
500(550)	22	12.5x35	158	280
	33	12.5x45	162	290
	39	12.5x50	168	235
	47	16x40	175	245

Rated Voltage (SurageVoltage) (V)	Cap ( $\mu$ F)	Case size $\Phi$ D $\times$ L(mm)	Ripple current (mA/rms105 $^{\circ}$ C) (120Hz)	Ripple current (mA/rms105 $^{\circ}$ C) (100KHz)
500(550)	68	16x45	180	250
	82	16x50	190	260
	100	18x45	200	280
	120	18x50	220	310