

Jamicon Series : TC

Teapo Series : SQ High Ripple Series

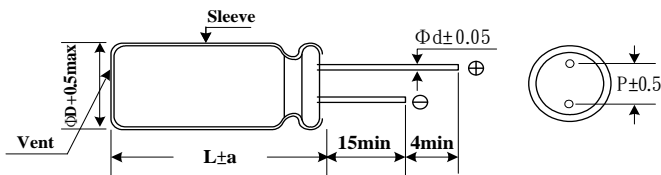
- Endurance: 105°C 2000 hours
- Recommended Applications : AV(TV, Video, Audio); Monitor/Computer; OA/HA/Communication; Converter/Inverter; Energy saving lamp; PFC circuit; SMPS; Ballast; Adapter
- Corresponding product to RoHS



■ 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)		3	3	3	5	5	6
	Z(-25°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	After leaving capacitors under no load at 105°C for 1000 hours, the capacitors shall meet the same requirement as Endurance.							

■ 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

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■STANDARD RATINGS

Rated Voltage (SurageVoltage) (V)	Cap (μ F)	Case size Φ DxL(mm)	Ripple current (mA/rms105°C) (120Hz)	Ripple current (mA/rms105°C) (100KHz)	Rated Voltage (SurageVoltage) (V)	Cap (μ F)	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			68	10x55	460	640
	68	16x25	665	950				12.5x45	460	640
	100	16x32	840	1200				16x30	510	714
250(300)	10	10x20	120	220		82	16x32	550	770	
	22	8x30	200	360			12.5x50	525	735	
		13x25	165	300			18x32	620	868	
	27	8x35	215	380		18x32		680	952	
	33	8x35	240	336	120	18x32	750	1050		
		13x25	280	400		150	18x36	800	1120	
	350(400)	39	8x40	260	360	420(470)	15	8x35	150	270
			10x30	275	500		22	8x40	195	350
		47	8x45	310	558		27	8x45	220	396
			16x25	505	720			10x35	220	396
		56	10x40	350	490			33	8x50	285
		68	10x40	400	560		10x40		285	400
			16x32	570	810		39	10x42	310	430
		82	10x45	450	630			12.5x35	320	448
		100	10x50	525	940		47	10x45	350	490
18x36			735	1050	12.5x40			350	490	
150	12.5x45	725	1015	56	10x52	390	545			
350(400)	2.2	10x16	30	50	450(500)	68	12.5x42	390	545	
	3.3	10x16	35	60		82	12.5x45	450	630	
	4.7	10x20	45	78		2.2	10x16	60	110	
	10	13x20	75	130			3.3	10x20	75	135
	15	8x30	140	250		4.7	13x20	105	190	
		22	8x35	180		324	10	13x25	140	250
	16x25		115	205		12	8x30	115	210	
	27	8x40	210	380		15	8x35	135	240	
	33	8x42	240	336		22	8x42	190	340	
		16x32	180	255			10x30	190	340	
	39	10x40	280	390	13x20		180	324		
	47	10x45	325	455	13x25		200	360		
		18x32	225	320	16x32		265	480		
	56	10x50	380	530	27	8x45	210	378		
	68	12.5x40	430	602		10x35	210	378		
82	12.5x45	500	700	33	8x52	290	406			
100	12.5x50	630	880		10x42	290	406			
	18x45	370	530		16x25	350	500			
400(450)	2.2	10x16	80	140	39	18x36	455	650		
	3.3	10x20	110	195		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		12.5x55	535	750		
	27	8x45	250	350	82	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 (μ F)	Case size Φ 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 (μ F)	Case size Φ 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