

Jamicon Series : TF

Teapo Series : SP

High Ripple · Long life Series

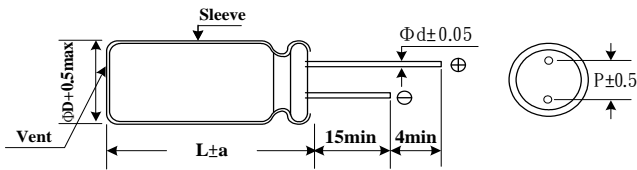


- Endurance: 105°C · 8000~10000hours
- Recommended Applications : Applicable for Electronic Ballast
- Corresponding product to RoHS

■ SPECIFICATIONS

Item	Characteristics	
Category Temperature Range	-40~+105°C	-25~+105°C
Rated Voltage Range	160 ~ 450VDC	500VDC
Rated Capacitance Range	3.3 ~ 330 μF	10~ 68 μF
Capacitance Tolerance	± 20 % (120Hz , 20°C)	± 20 % (120Hz , 20°C)
Leakage Current (20°C)	I=0.04CV + 100(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	160 200 400 420~450 500
	tan δ	0.15 0.15 0.15 0.24 0.24
Low Temperature Stability Impedance Ratio (MAX)	WV	160 200 400 420~450 500
	Z(120Hz)	
	Z-25°C / Z+20°C	3 3 5 6 6
Z-40°C / Z+20°C	4 4 6 8 -	
Endurance	The follwing sprcifications shall be satisfied when the capacitors are restored to 20°C after subjected to DC voltage with the max ripple current is applies for 10000 hours (8000 hours for φ 10) at 105°C .	
	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	initial specified value or less

■ Dimensions [mm]



ΦD	10	12.5	13	16	18
P	5.0	5.0		7.5	7.5
Φd	0.6	0.6		0.8	0.8
a	1.5(2.0)	2(2.5)		2.0	2.0

Notes : ():L ≥ 30mm

■ Multiplier for Ripple Current

Freq. (Hz)	120	1K	10K	100K
Coefficient	1.0	1.6	1.8	2.0

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■ STANDARD RATINGS

Rated Voltage (SurageVoltage) (V)	Cap (μF)	Case size ΦDxL(mm)	Ripple current (mA/rms105°C) (120Hz)	Ripple current (mA/rms105°C) (100KHz)	Rated Voltage (SurageVoltage) (V)	Cap (μF)	Case size ΦDxL(mm)	Ripple current (mA/rms105°C) (120Hz)	Ripple current (mA/rms105°C) (100KHz)							
160 (200)	33	10x20	250	500	400(450)	68	18x32	500	1000							
	47	10x20	290	580		82	12.5x55	460	1060							
		12.5x20	330	660			100	16x40	550	1100						
	68	13x25	380	760	16x50	650		1300	420(470)	27	10x40	200	400			
		16x20	380	760		33	10x45	235		470						
	100	13x25	485	970	39	10x50	170	340		47	12.5x42	310	620			
		16x20	560	1120	56	12.5x45	330	660		68	12.5x50	390	780			
		16x25	560	1120		82	12.5x55	450		900	82	12.5x55	450	900		
		18x20	560	1120	450 (500)		3.3	10x16		50	100	4.7	10x20	70	140	
	150	10x45	410	820		6.8	10x20	75		150	10	12.5x20	90	180		
		16x25	600	1200			10x20	130		260		12.5x20	160	320		
		16x32	680	1360				22		10x40	250		500	10x40	250	500
	18x25	680	1360	33		13x20	215			430	16x20	240	480			
	180	10x50	470			940	39			16x25	280	560	16x25	280	560	
		12.5x45	550			1100		47		18x20	280	560	18x20	280	560	
	220	16x32	700	1400		56				10x42	270	540	68	10x45	350	700
		18x25	700	1400			82			16x32	350	700		82	16x32	350
		270	12.5x50	640				1280		100	18x25	350			700	100
330	12.5x55	740	1480	12.5x45		12.5x40		350			700	12.5x45	420		840	
	18x36	690	1380			16x36	440	880			18x20		350	700		
	200 (250)	22	10x20				250	500		47			18x20	350	700	18x25
33		10x20	260	520			56	18x25	390			780	18x32	440	880	
		12.5x20	300	600		68		12.5x50	280		560	12.5x55		530	1060	
47		13x20	330	660				82	16x40	550	1100			82	16x45	625
		68	13x25	380			760		100	18x36	625		1250		100	16x50
16x20			380	760		150	18x20			350	700	18x40	750			1550
100		16x25	560	1120	180		12.5x50	280		560	10		12.5x20	130		260
		18x20	560	1120			220	16x36	440	880			15	12.5x25	165	330
270		12.5x55	750	1500		270		18x20	350	700		18		16x20	170	340
250(300)		82	10x52	390	780			33	12.5x30	195	390		22	16x20	185	370
		100	12.5x42	470	940		39		12.5x35	230	460	27		16x25	230	460
			120	12.5x45	480	960			47	18x20	225		450	33	12.5x40	270
		150	12.5x50	540	1080	56	16x25	250		500	39	16x25	300		600	
			180	12.5x55	650		1300	68		18x25		295	590	47	18x30	295
		350(400)	47	12.5x35	300		600		82	16x36	355	710	56		16x40	410
			68	12.5x45	400	800	100			18x30	385	770		68	18x36	455
				82	12.5x50	475		950		150	18x36	455	910		10	12.5x20
			100	16x40	550	1100		180	16x20		170	340	15	12.5x25		165
	400 (450)			6.8	10x16	110	220		18		12.5x30	195		390	22	16x20
			10	10x20	140	280	22			16x20	185	370	27	12.5x35		230
			22	12.5x25	215	430		33	16x25	230	460	33		16x25	230	460
				16x20	215	430	39		18x20	225	450		39	18x20	225	450
			33	12.5x30	300	600		47	12.5x40	270	540	47		12.5x40	270	540
				16x20	250	500	56		16x25	250	500		56	16x25	250	500
			39	16x25	320	640		68	18x25	295	590	68		16x30	300	600
				10x45	260	615	82		18x30	295	590		82	18x25	295	590
			47	12.5x35	325	650		100	16x36	355	710	100		16x36	355	710
12.5x40				310	720	150	16x40		410	820	150		16x40	410	820	
56			16x32	420	840		180	18x30	385	770		180	18x30	385	770	
			18x25	420	840	220		18x36	455	910	220		18x36	455	910	
68			10x52	340	680		270	18x40	515	1030		270	18x40	515	1030	
			12.5x45	360	720	330		18x40	515	1030	330		18x40	515	1030	
68		12.5x50	450	900												