

Jamicon Series : TJ

Teapo Series : SG High Ripple · Long life Series

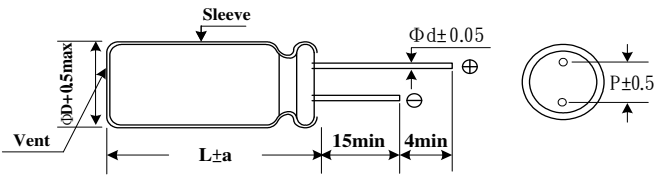
- Endurance: 105°C · 5000hours
- Recommended Applications : High ripple current for Electronic Ballast , Power Supply···etc
- Corresponding product to RoHS



■ 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	4.7~ 150 µF
Capacitance Tolerance	± 20 % (120Hz , 20°C)	± 20 % (120Hz , 20°C)
Leakage Current (20°C)	I=0.06CV + 10(µA) (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	160 200 250 350 400 420~450 500
	tan δ	0.15 0.15 0.15 0.20 0.24 0.24 0.24
Low Temperature Stability Impedance Ratio (MAX)	WV	160 200 250 350 400 420~450 500
	Z (120Hz)	3 3 3 5 5 6 6
	Z-25°C / Z+20°C	6 6 6 6 6 8 —
Endurance	After applying rated voltage with rated ripple current for 5000 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 placed at 105°C without voltage applied for 1000 hours,the capacitors shall meet the same requirement as Endurance.	

■ Dimensions [mm]



ΦD	8.0	10	12.5	13	16	18	22
P	3.5	5.0	5.0	5.0	7.5	7.5	10.0
Φd	0.6	0.6	0.6	0.6	0.8	0.8	1.0
a	1.5(2.0)	1.5(2.0)	2.0(2.5)	2.0	2.0	2.0	2.0

Notes : ():L ≥ 30mm

■ Multiplier for Ripple Current

Freq. (Hz)	50,60	120	300	1K	10K~100K
160~450V	0.80	1.00	1.20	1.40	1.60
500V	0.75	1.00	1.20	1.35	1.50

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■STANDARD RATINGS

Rated Voltage (Surage Voltage) (V)	Cap (μF)	Case size Φ DxL(mm)	tan δ	Ripple current (mA/rms105°C) (120Hz)	Rated Voltage (Surage Voltage) (V)	Cap (μF)	Case size Φ DxL(mm)	tan δ	Ripple current (mA/rms105°C) (120Hz)	
160 (200)	22	10x20	0.15	160	350 (400)	68	16x32	0.2	400	
	33	10x20	0.15	210		82	18x25	0.2	380	
	47	13x20	0.15	260		100	12.5x50	0.2	450	
	68	13x25	0.15	360		100	12.5x55	0.2	500	
	200 (250)	68	16x20	0.15	430	400 (450)	4.7	※10x16	0.24	60
		100	16x25	0.15	475		6.8	※10x16	0.24	72
		150	18x20	0.15	465		10	※10x16	0.24	85
		150	16x32	0.15	650		10	10x20	0.24	100
		220	18x25	0.15	625		15	8x35	0.24	110
		220	16x32	0.15	750		22	8x40	0.24	140
330		18x25	0.15	725	13x20			0.24	145	
250 (300)		10	※10x16	0.15	80			13x25	0.24	170
		15	※10x16	0.15	100			16x20	0.24	200
		22	10x20	0.15	160		27	8x45	0.24	165
	33	※10x20	0.15	160	10x35	0.24		165		
	47	13x20	0.15	210	33	8x50	0.24	190		
	68	13x25	0.15	260		10x40	0.24	260		
	68	16x20	0.15	360		16x25	0.24	260		
	100	16x25	0.15	475		18x20	0.24	280		
	350 (400)	100	18x20	0.15	465	39	10x45	0.24	300	
		150	18x25	0.15	650	47	10x50	0.24	330	
220		18x32	0.15	780	12.5x40		0.24	350		
400 (450)		10	※10x16	0.15	85		16x25	0.24	310	
		10	10x20	0.15	100		16x32	0.24	345	
		22	8x30	0.15	130		18x25	0.24	360	
			※10x25	0.15	145		56	12.5x45	0.24	365
		27	8x32	0.15	150	12.5x50		0.24	420	
		33	8x35	0.15	170	16x30		0.24	340	
			13x20	0.15	210	16x32		0.24	350	
	450 (500)	39	8x42	0.15	200	18x36	0.24	420		
		47	8x45	0.15	220	82	12.5x55	0.24	435	
			13x25	0.15	270	100	18x32	0.24	465	
16x20		0.15	275	18x40	0.24		545			
56		10x42	0.15	300	150	18x40	0.24	600		
		10x45	0.15	330		22x40	0.24	750		
500 (550)		68	16x25	0.15	380	420 (470)	15	8x35	0.24	105
			18x20	0.15	375		22	8x40	0.24	135
		82	10x50	0.15	390		27	8x45	0.24	155
		100	12.5x42	0.15	440			10x35	0.24	155
	16x32		0.15	520	33		8x50	0.24	185	
	18x25	0.15	500	10x40			0.24	185		
	120	12.5x45	0.15	490	39		10x45	0.24	215	
		12.5x50	0.15	560			12.5x35	0.24	215	
	150	18x32	0.15	650	47		10x50	0.24	245	
			0.15	820			12.5x40	0.24	245	
550 (600)	220	18x40	0.15	820	56	12.5x45	0.24	290		
	600 (650)	10	10x20	0.20	100	68	12.5x50	0.24	335	
		15	8x35	0.20	120	82	12.5x55	0.24	385	
		22	8x40	0.20	150	450 (500)	3.3	10x20	0.24	60
			13x20	0.20	160		4.7	13x20	0.24	80
		27	8x45	0.20	170		6.8	※10x20	0.24	90
			8x50	0.20	200		10	13x20	0.24	110
		33	13x25	0.20	230			13x25	0.24	110
			16x20	0.20	250		12	8x35	0.24	110
		39	10x45	0.20	235			15	8x40	0.24
10x50			0.20	270	8x45		0.24		165	
47	16x25	0.20	300	22	10x35		0.24	165		
	18x20	0.20	315		13x20		0.24	145		
56	12.5x40	0.20	300		16x25	0.24	190			
	12.5x45	0.20	400		18x20	0.24	200			
68	12.5x45	0.20	400	27	8x52	0.24	195			

※Down Size : 3000Hrs

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■STANDARD RATINGS

Rated Voltage (SurageVoltage) (V)	Cap (μ F)	Case size Φ D \times L(mm)	tan δ	Ripple current (mA/rms105°C) (120Hz)	Rated Voltage (SurageVoltage) (V)	Cap (μ F)	Case size Φ D \times L(mm)	tan δ	Ripple current (mA/rms105°C) (120Hz)
450 (500)	27	10x40	0.24	195	450 (500)	100	22x40	0.24	580
	33	10x45	0.24	270	500 (550)	4.7	10x20	0.24	70
		12.5x35	0.24	300		6.8	13x20	0.24	100
		16x25	0.24	275		10	12.5x25	0.24	130
		16x32	0.24	315		22	16x25	0.24	225
		18x25	0.24	320			18x20	0.24	220
	39	10x50	0.24	335		33	16x32	0.24	305
		12.5x40	0.24	350			18x25	0.24	295
	47	10x52	0.24	360		47	16x36	0.24	430
		12.5x45	0.24	365			18x32	0.24	435
		16x26	0.24	310		68	18x32	0.24	530
		18x32	0.24	340			18x36	0.24	555
	56	12.5x50	0.24	380		82	18x40	0.24	640
		12.5x55	0.24	410			22x35	0.24	675
	68	18x25	0.24	360		100	22x35	0.24	745
		18x32	0.24	395		120	22x40	0.24	865
100	22x40	0.24	580	150		22x45	0.24	1020	

※Down Size : 3000Hrs