

Jamicon Series : TJ

Teapo Series : SG High Ripple · Long life Series

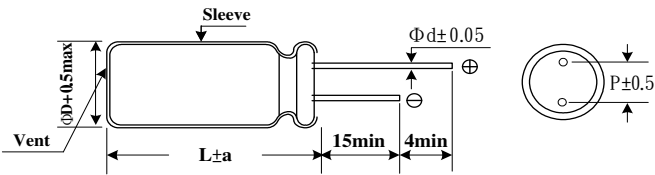
- Endurance: 105°C · 5000hours
- Recommended Applications : High ripple current for Electronic Ballast , Power Supply···etc
- Corresponding product to RoHS



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	I=0.04CV + 100(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 (Surge Voltage) (V)	Cap (μF)	Case size Φ DxL(mm)	tan δ	Ripple current (mA/rms105°C) (120Hz)	Rated Voltage (Surge 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			18x25	0.2	380
	47	13x20	0.15	260		82	12.5x50	0.2	450
	68	13x25	0.15	360		100	12.5x55	0.2	500
		16x20	0.15	430	18x32		0.2	530	
	100	16x25	0.15	475	400 (450)	4.7	※10x16	0.24	60
		18x20	0.15	465		6.8	※10x16	0.24	72
	150	16x32	0.15	650		10	※10x16	0.24	85
		18x25	0.15	625			10x20	0.24	100
	220	16x32	0.15	750		15	8x35	0.24	110
18x25		0.15	725	22		8x40	0.24	140	
330	18x32	0.15	960			13x20	0.24	145	
	10	※10x16	0.15			80	13x25	0.24	170
15		※10x16	0.15			100	16x20	0.24	200
200 (250)	22	10x20	0.15	160		27	8x45	0.24	165
	33	※10x20	0.15	160	10x35		0.24	165	
		13x20	0.15	210	33	8x50	0.24	190	
	47	13x20	0.15	260		10x40	0.24	260	
	68	13x25	0.15	360		16x25	0.24	260	
		16x20	0.15	430		18x20	0.24	280	
	100	16x25	0.15	475	39	10x45	0.24	300	
		18x20	0.15	465		47	10x50	0.24	330
	150	18x25	0.15	650	12.5x40		0.24	350	
		220	18x32	0.15	780		16x25	0.24	310
250 (300)	10	※10x16	0.15	85	16x32		0.24	345	
		10x20	0.15	100	18x25		0.24	360	
	22	8x30	0.15	130	56		12.5x45	0.24	365
		※10x25	0.15	145		12.5x50	0.24	420	
	27	13x20	0.15	160	68	16x30	0.24	340	
		8x32	0.15	150		16x32	0.24	350	
	33	8x35	0.15	170		18x36	0.24	420	
		13x20	0.15	210		82	12.5x55	0.24	435
	39	8x42	0.15	200	100		18x32	0.24	465
		47	8x45	0.15		220	18x40	0.24	545
	13x25		0.15	270	150	18x40	0.24	600	
	16x20	0.15	275	22x40		0.24	750		
	56	10x42	0.15	300	420 (470)	15	8x35	0.24	105
		68	10x45	0.15		330	22	8x40	0.24
	82		16x25	0.15		380	27	8x45	0.24
		18x20	0.15	375		10x35		0.24	155
	100	12.5x42	0.15	440		33	8x50	0.24	185
		16x32	0.15	520			10x40	0.24	185
	120	18x25	0.15	500		39	10x45	0.24	215
		12.5x45	0.15	490			12.5x35	0.24	215
150	12.5x50	0.15	560	47		10x50	0.24	245	
	18x32	0.15	650			12.5x40	0.24	245	
220	18x40	0.15	820	56	12.5x45	0.24	290		
	350 (400)	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
		27	13x20	0.20		160	4.7	13x20	0.24
33			8x45	0.20		170	6.8	※10x20	0.24
		39	8x50	0.20		200	10	13x20	0.24
13x25			0.20	230		13x25		0.24	110
47		16x20	0.20	250		12	8x35	0.24	110
		10x45	0.20	235			15	8x40	0.24
56		10x50	0.20	270		22		8x45	0.24
	68	16x25	0.20	300			10x35	0.24	165
10		18x20	0.20	315			13x20	0.24	145
	15	12.5x40	0.20	300	16x25		0.24	190	
22		12.5x45	0.20	400	18x20		0.24	200	
	8x52	0.24	195						

※Down Size : 3000Hrs

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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	

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