

Jamicon Series : TJ

Teapo Series : SG High Ripple · Long life Series

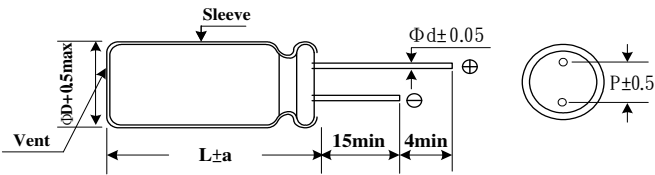
- Endurance: 105°C · 5000hours
- Recommended Applications : High ripple current for Electronic Ballast , Power Supply···etc
- Corresponding product to RoHS



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(µ A) (After rated voltage applied for 2	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	160 200 250 350 400 420~450 500
	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 ΦDxL(mm)	tan δ	Ripple current (mA/rms105°C) (120Hz)	Rated Voltage (Surge Voltage) (V)	Cap (μF)	Case size ΦDxL(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	
	13x25	0.15	360			16x20	0.24	200	
200 (250)	10	※10x16	0.15			80	27	8x45	0.24
	15	※10x16	0.15	100		10x35		0.24	165
	22	10x20	0.15	160	33	8x50	0.24	190	
	33	※10x20	0.15	160		10x40	0.24	260	
		13x20	0.15	210		16x25	0.24	260	
	47	13x20	0.15	260		18x20	0.24	280	
	68	13x25	0.15	360	39	10x45	0.24	300	
		16x20	0.15	430		47	10x50	0.24	330
	100	16x25	0.15	475	12.5x40		0.24	350	
		18x20	0.15	465	16x25		0.24	310	
150	18x25	0.15	650	16x32	0.24		345		
	18x32	0.15	780	18x25	0.24		360		
250 (300)	10	※10x16	0.15	85	56		12.5x45	0.24	365
		10x20	0.15	100		12.5x50	0.24	420	
	22	8x30	0.15	130	68	16x30	0.24	340	
		※10x25	0.15	145		16x32	0.24	350	
	13x20	0.15	160	18x36		0.24	420		
	27	8x32	0.15	150		82	12.5x55	0.24	435
	33	8x35	0.15	170	100	18x32	0.24	465	
		13x20	0.15	210		18x40	0.24	545	
	39	8x42	0.15	200	150	18x40	0.24	600	
		8x45	0.15	220		22x40	0.24	750	
	47	13x25	0.15	270	420 (470)	15	8x35	0.24	105
		16x20	0.15	275		22	8x40	0.24	135
	56	10x42	0.15	300		27	8x45	0.24	155
		10x45	0.15	330			10x35	0.24	155
	68	16x25	0.15	380		33	8x50	0.24	185
		18x20	0.15	375			10x40	0.24	185
	82	10x50	0.15	390		39	10x45	0.24	215
		12.5x42	0.15	440			12.5x35	0.24	215
	100	16x32	0.15	520		47	10x50	0.24	245
		18x25	0.15	500			12.5x40	0.24	245
120	12.5x45	0.15	490	56	12.5x45	0.24	290		
	12.5x50	0.15	560		68	12.5x50	0.24	335	
150	18x32	0.15	650	82	12.5x55	0.24	385		
	18x40	0.15	820	450 (500)	3.3	10x20	0.24	60	
220	10x20	0.20	100		4.7	13x20	0.24	80	
	15	8x35	0.20		120	6.8	※10x20	0.24	90
22	8x40	0.20	150		10	13x20	0.24	110	
	13x20	0.20	160			13x25	0.24	110	
27	8x45	0.20	170		12	8x35	0.24	110	
	33	8x50	0.20			200	15	8x40	0.24
13x25		0.20	230		22	8x45	0.24	165	
16x20	0.20	250	10x35			0.24	165		
39	10x45	0.20	235			13x20	0.24	145	
	10x50	0.20	270	16x25		0.24	190		
47	16x25	0.20	300	18x20	0.24	200			
	18x20	0.20	315	27	8x52	0.24	195		
56	12.5x40	0.20	300						
68	12.5x45	0.20	400						

※Down Size : 3000Hrs

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Rated Voltage (SurageVoltage) (V)	Cap (μ F)	Case size Φ D \times L(mm)	$\tan \delta$	Ripple current (mA/rms105°C) (120Hz)	Rated Voltage (SurageVoltage) (V)	Cap (μ F)	Case size Φ D \times L(mm)	$\tan \delta$	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