

Jamicon Series : TJ

Teapo Series : SG High Ripple · Long life Series

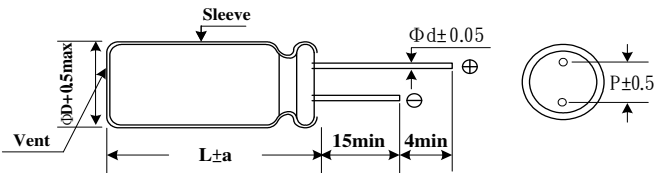
- Endurance: 105°C · 5000hours
- Recommended Applications : High ripple current for Electronic Ballast , Power Supply···etc
- Corresponding product to RoHS



■ 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 (Surage Voltage) (V)	Cap (μ F)	Case size Φ DxL(mm)	$\tan \delta$	Ripple current (mA/rms105°C) (120Hz)	Rated Voltage (Surage Voltage) (V)	Cap (μ F)	Case size Φ DxL(mm)	$\tan \delta$	Ripple current (mA/rms105°C) (120Hz)	
160 (200)	22	10x20	0.15	160	350 (400)	68	16x32 18x25	0.2	400 380	
	33	10x20	0.15	210		82	12.5x50	0.2	450	
	47	13x20	0.15	260		100	12.5x55	0.2	500	
	68	13x25	0.15	360			18x32	0.2	530	
	200 (250)	68	16x20	0.15	430	400 (450)	4.7	※10x16	0.24	60
			16x25	0.15	475		6.8	※10x16	0.24	72
		100	18x20	0.15	465		10	※10x16	0.24	85
			16x32	0.15	650			10x20	0.24	100
		150	18x25	0.15	625		15	8x35	0.24	110
			16x32	0.15	750		22	8x40	0.24	140
220		18x25	0.15	725	13x20			0.24	145	
		18x32	0.15	960	13x25			0.24	170	
250 (300)	10	※10x16	0.15	80	27			8x45	0.24	165
	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		
350 (400)	10	10x20	0.15	100	56		12.5x45	0.24	365	
	22	8x30	0.15	130		12.5x50	0.24	420		
		※10x25	0.15	145		16x30	0.24	340		
	27	13x20	0.15	160		16x32	0.24	350		
		8x32	0.15	150		18x36	0.24	420		
	33	8x35	0.15	170		82	12.5x55	0.24	435	
		13x20	0.15	210			18x32	0.24	465	
	39	8x42	0.15	200		100	18x40	0.24	545	
		8x45	0.15	220			18x40	0.24	600	
	47	13x25	0.15	270		150	22x40	0.24	750	
		16x20	0.15	275	420 (470)		15	8x35	0.24	105
	56	10x42	0.15	300		22	8x40	0.24	135	
	68	10x45	0.15	330		27	8x45	0.24	155	
		16x25	0.15	380			10x35	0.24	155	
	82	18x20	0.15	375		33	8x50	0.24	185	
		10x50	0.15	390			10x40	0.24	185	
	100	12.5x42	0.15	440		39	10x45	0.24	215	
		16x32	0.15	520			12.5x35	0.24	215	
	120	18x25	0.15	500		47	10x50	0.24	245	
		12.5x45	0.15	490			12.5x40	0.24	245	
150	12.5x50	0.15	560	56	12.5x45	0.24	290			
	18x32	0.15	650		68	12.5x50	0.24	335		
220	18x40	0.15	820	82	12.5x55	0.24	385			
350 (400)	10	10x20	0.20	100	450 (500)	3.3	10x20	0.24	60	
	15	8x35	0.20	120		4.7	13x20	0.24	80	
	22	8x40	0.20	150		6.8	※10x20	0.24	90	
		13x20	0.20	160		10	13x20	0.24	110	
	27	8x45	0.20	170			13x25	0.24	110	
		33	8x50	0.20		200	12	8x35	0.24	110
	13x25		0.20	230		15	8x40	0.24	130	
	39	16x20	0.20	250			8x45	0.24	165	
		10x45	0.20	235		22	10x35	0.24	165	
	47	10x50	0.20	270			13x20	0.24	145	
		16x25	0.20	300			16x25	0.24	190	
	56	18x20	0.20	315			18x20	0.24	200	
		12.5x40	0.20	300		27	8x52	0.24	195	
	68	12.5x45	0.20	400						

※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