

Jamicon Series : TJ

Teapo Series : SG

High Ripple · Long life Series

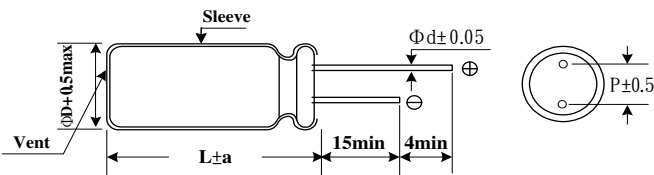


- Endurance: 105°C · 5000hours
- Recommended Applications : High ripple current for Electronic Ballast , Power Supply···etc
- Corresponding product to RoHS

**■ 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)							
	Z-25°C / Z+20°C	3	3	3	5	5	6	6
Z-40°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.							
	Leakage current	initial specified value or less						

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

※Down Size : 3000Hrs

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