

Jamicon Series : TJ

Teapo Series : SG High Ripple · Long life Series

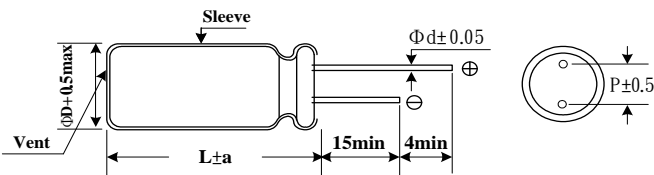
- Endurance: 105°C · 5000hours
- Recommended Applications : High ripple current for Electronic Ballast , Power Supply···etc
- Corresponding product to RoHS



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 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	
						13x25	0.24	170	
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		39	18x20	0.24	280
	68	13x25	0.15	360			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		
	220	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	
		8x35	0.15	170		100	18x32	0.24	465
	33	13x20	0.15	210	18x40		0.24	545	
		39	8x42	0.15	200	150	18x40	0.24	600
	47		8x45	0.15	220		22x40	0.24	750
		47	13x25	0.15	270	420 (470)	15	8x35	0.24
	16x20		0.15	275	22		8x40	0.24	135
	56	10x42	0.15	300	27		8x45	0.24	155
	68	10x45	0.15	330			10x35	0.24	155
		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
		100	12.5x42	0.15			440	12.5x35	0.24
	120		16x32	0.15	520		47	10x50	0.24
		150	18x25	0.15	500			12.5x40	0.24
120	12.5x45		0.15	490	56	12.5x45	0.24	290	
	150	12.5x50	0.15	560		68	12.5x50	0.24	335
220		18x32	0.15	650	82	12.5x55	0.24	385	
	220	18x40	0.15	820	450 (500)	27	10x40	0.24	195
350 (400)	10	10x20	0.20	100		33	10x45	0.24	270
	15	8x35	0.20	120			12.5x35	0.24	300
	22	8x40	0.20	150			16x25	0.24	285
		13x20	0.20	160			16x32	0.24	315
	27	8x45	0.20	170			18x25	0.24	320
		33	8x50	0.20		200	39	10x50	0.24
	13x25		0.20	230		12.5x40		0.24	350
	39	16x20	0.20	250		47	10x52	0.24	360
		10x45	0.20	235			12.5x45	0.24	365
	47	10x50	0.20	270			16x26	0.24	310
16x25		0.20	300	18x32			0.24	340	
56	18x20	0.20	315	56			12.5x50	0.24	380
	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 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	230	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	305			18x20	0.24	220
	39	10x50	0.24	265		33	16x32	0.24	305
		12.5x40	0.24	360			18x25	0.24	295
	47	10x52	0.24	295		47	16x36	0.24	430
		12.5x45	0.24	310			18x32	0.24	435
		16x26	0.24	270		68	18x32	0.24	530
		18x32	0.24	340			18x36	0.24	555
	56	12.5x50	0.24	355		82	18x40	0.24	640
		12.5x55	0.24	410			22x35	0.24	675
	68	18x25	0.24	335		100	22x35	0.24	745
		18x32	0.24	395		120	22x40	0.24	865
18x40		0.24	460	150		22x45	0.24	1020	

※Down Size : 3000Hrs