

Jamicon Series : TS

Teapo Series : TS

High Ripple 、Long life Series

■ Endurance : 105°C 15000~20000hours

■ Recommended Applications : Electronic lighting and power

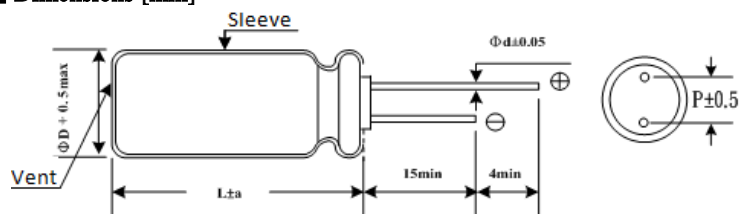
■ Corresponding product to RoHS



SPECIFICATIONS

Item	Characteristics						
Category Temperature Range	-40 ~ +105℃						
Rated Voltage Range	160~450VDC						
Rated Capacitance Range	6.8 ~ 220 μ F						
Capacitance Tolerance	$\pm$ 20 % (120Hz , 20℃)						
Leakage Current (20℃)	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℃)	WV	160	200	250	350	400	450
	tan δ	0.15	0.15	0.15	0.20	0.20	0.20
Low Temperature Stability Impedance Ratio (MAX)	WV Z(120Hz)	160	200	250	350	400	450
	Z-25℃ / Z+20℃	3	3	3	5	5	6
	Z-40℃ / Z+20℃	6	6	6	6	6	8
Endurance	After applying rated voltage with rated ripple current for 20000hours (10*12.5=15000Hrs) at 105℃, the capacitors shall meet the following requirements.						
	Capacitance change	Within $\pm$ 30% of initial value					
	D.F. (tan δ)	Not more than 300% of specified value					
	Leakage current	initial specified value or less					
Shelf Life	After placed at 105℃ without voltage applied for 1000 hours,the capacitors shall meet the same requirement as load life.						

Dimensions [mm]



ΦD	10.0	13.0	16.0	18.0
P	5.0	5.0	7.5	7.5
Φd	0.6	0.6	0.8	0.8
a	1.5	2.0	2.0	2.0

Multiplier for Ripple Current

Multiplier for Ripple Current	120	1K	10K	100K
coefficient	1.00	1.75	2.25	2.50

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■ STANDARD RATINGS

Rated Voltage (Surage Voltage) (V)	Cap (μ F)	Case size Φ D $\times$ L(mm)	$\tan \delta$	Ripple current (mA/rms105°C) (120Hz)	Rated Voltage (Surage Voltage) (V)	Cap (μ F)	Case size Φ D $\times$ L(mm)	$\tan \delta$	Ripple current (mA/rms105°C) (120Hz)
160 (200)	22	10 $\times$ 12.5	0.15	121	350(400)	6.8	10 $\times$ 12.5	0.20	80
	33	10 $\times$ 16	0.15	158		10	10 $\times$ 16	0.20	107
	47	10 $\times$ 20	0.15	204		22	13 $\times$ 20	0.20	204
	68	13 $\times$ 20	0.15	284		33	16 $\times$ 20	0.20	281
	100	16 $\times$ 20	0.15	388		47	16 $\times$ 25	0.20	369
	220	18 $\times$ 32	0.15	715		68	18 $\times$ 25	0.20	475
200 (250)	22	10 $\times$ 16	0.15	138	400 (450)	6.8	10 $\times$ 16	0.20	80
	33	10 $\times$ 20	0.15	187		10	10 $\times$ 20	0.20	106
	47	13 $\times$ 20	0.15	259		22	16 $\times$ 20	0.20	207
	68	16 $\times$ 20	0.15	351		33	16 $\times$ 25	0.20	279
	100	16 $\times$ 25	0.15	468		47	16 $\times$ 32	0.20	371
	150	18 $\times$ 32	0.15	613		68	18 $\times$ 25	0.20	476
250(300)	10	10 $\times$ 12.5	0.15	90	450 (500)	10	10 $\times$ 20	0.20	92
	22	10 $\times$ 20	0.15	162		22	13 $\times$ 25	0.20	240
	33	13 $\times$ 20	0.15	229		33	16 $\times$ 25	0.20	368
	47	16 $\times$ 20	0.15	309		47	18 $\times$ 25	0.20	480
	100	18 $\times$ 25	0.15	530		68	18 $\times$ 32	0.20	520