

Jamicon Series : TS

Teapo Series : TS

High Ripple 、 Long life Series

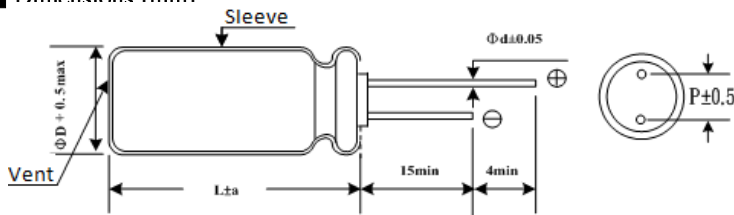


- Endurance : 105°C 15000~20000hours
- Recommended Applications : Electronic lighting and power
- Corresponding product to RoHS

**■ SPECIFICATIONS**

Item	Characteristics						
Category Temperature Range	-40 ~ +105°C						
Rated Voltage Range	160~450VDC						
Rated Capacitance Range	6.8 ~ 220 μF						
Capacitance Tolerance	± 20 % ( 120Hz , 20°C)						
Leakage Current (20°C)	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	450
	tan δ	0.15	0.15	0.15	0.20	0.20	0.20
Low Temperature Stability Impedance Ratio (MAX)	Z(120Hz)	160	200	250	350	400	450
	Z-25°C / Z+20°C	3	3	3	5	5	6
	Z-40°C / Z+20°C	6	6	6	6	6	8
Endurance	After applying rated voltage with rated ripple current for 20000hours ( 10*12.5=15000Hrs ) at 105°C, the capacitors shall meet the following requirements.						
	Capacitance change	Within ± 30% of initial value					
	D.F. (tan δ)	Not more than 300% of specified value					
Shelf Life	The following specifications shall be satisfied when the capacitors are restored to 20°C after exposing them for 1,000 hours at 105°C without voltage applied. Before the measurement, the capacitor shall be preconditioned by applying voltage according to item 4.1 of JIS C 5101-4.						
	Leakage current						

**■ 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 (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)
160 (200)	22	10x12.5	0.15	121	350(400)	6.8	10x12.5	0.20	80
	33	10x16	0.15	158		10	10x16	0.20	107
	47	10x20	0.15	204		22	13x20	0.20	204
	68	13x20	0.15	284		33	16x20	0.20	281
	100	16x20	0.15	388		47	16x25	0.20	369
	220	18x32	0.15	715		68	18x25	0.20	475
200 (250)	22	10x16	0.15	138	400 (450)	6.8	10x16	0.20	80
	33	10x20	0.15	187		10	10x20	0.20	106
	47	13x20	0.15	259		22	16x20	0.20	207
	68	16x20	0.15	351		33	16x25	0.20	279
	100	16x25	0.15	468		47	16x32	0.20	371
	150	18x32	0.15	613		68	18x25	0.20	476
250(300)	10	10x12.5	0.15	90	450 (500)	10	10x20	0.20	92
	22	10x20	0.15	162		22	13x25	0.20	240
	33	13x20	0.15	229		33	16x25	0.20	368
	47	16x20	0.15	309		47	18x25	0.20	480
	100	18x25	0.15	530		68	18x32	0.20	520