

Jamicon Series : TW

Teapo Series : TE

LED Lighting · Ultra Long Life Series

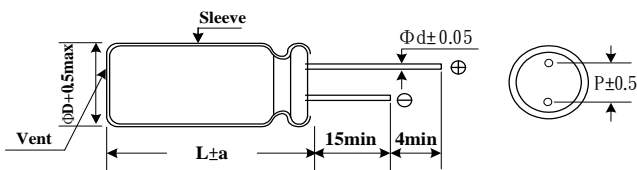


- Endurance : 105°C 12000~20000hrs
- Recommended Applications : For LED Lighting
- Corresponding product to RoHS

**SPECIFICATIONS**

Item	Characteristics				
Category Temperature Range	-40 ~ +105°C				
Rated Voltage Range	160~400VDC				
Rated Capacitance Range	1.0 ~ 33 µF				
Capacitance Tolerance	± 20 % ( 120Hz , 20°C)				
Leakage Current (20°C)	CV ≤ 1000	CV > 1000			I : Max. leakage current ( µ A ) C : Nominal capacitance ( µ F ) V : Rated voltage ( V )
	I=0.1CV +40 µ A ( 1 minute )	I=0.04CV +100 µ A ( 1minute )			
	I=0.03CV +15 µ A ( 5 minute )	I=0.02CV +25 µ A ( 5minute )			
Dissipation Factor(MAX) (tan δ ) (120Hz , 20°C)	WV	160	200	400	
	tan δ	0.24	0.24	0.24	
Low Temperature Stability Impedance Ratio (MAX)	Z((120HZ) / WV	160	200	400	
	Z-25°C / Z+20°C	3	3	6	
	Z-40°C / Z+20°C	8	8	10	
Endurance	After applying rated voltage with rated ripple current for 12000~20000hours at 105°C , the capacitors shall meet the following requirements.				
	Capacitance change	Within ± 30% of initial value		Φ D×L	Life time (hours)
	D.F. (tan δ )	Not more than 300% of specified value		6.3x11,8x9,10x9	12000
	Leakage current	initial specified value or less		8x11,10x12.5	15000
				10x16	20000
Shelf Life	After placed at 105°C without voltage applied for 1000 hours,the capacitors shall meet the same requirement as load life.				

**Dimensions [mm]**



ΦD	6.3	8.0	10.0
P	2.5	3.5	5.0
Φd	0.5	0.6	0.6
a	2.0	2.0	2.0

**Multiplier for Ripple Current**

	Freq. (Hz)	120	1K	10K	100K
coefficient	1~5.6 µ F	1.0	1.6	1.8	2.0
	6.8~18 µ F	1.0	1.5	1.7	1.9
	22~33 µ F	1.0	1.4	1.6	1.8

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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	5.6	6.3x11	0.24	52	200	18	10x12.5	0.24	113
	10	8x9	0.24	70		27	10x16	0.24	149
	15	8x11	0.24	92	400	1.0	6.3x11	0.24	24
		10x9	0.24	95		1.2	8x9	0.24	28
	22	10x12.5	0.24	121		1.5	8x9	0.24	30
33	10x16	0.24	158	1.8		8x9	0.24	33	
				2.2		8x9	0.24	36	
200	2.2	6.3x11	0.24	36		2.7	8x11	0.24	43
	3.3	6.3x11	0.24	42		3.3	8x11	0.24	40
	4.7	6.3x11	0.24	49			10x9	0.24	48
	5.6	8x9	0.24	56		3.9	10x12.5	0.24	57
	6.8	8x9	0.24	62			4.7	10x12.5	0.24
	8.2	8x9	0.24	66	6.8	10x16	0.24	85	
	10	8x11	0.24	80					
	12	10x9	0.24	88					