

TD Series

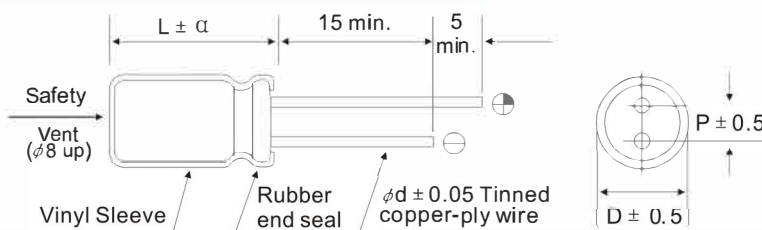


- Endurance with ripple current : 105°C 8,000 hours or 130°C 2,000 hours
- Especially designed for electronic ballast
- For electronic ballast and energy-save lamp and other long life applications
- RoHS Compliant

规格表 SPECIFICATIONS

项目 Items	特性参数 Characteristics			
使用温度范围 Category Temperature Range	-40 ~ +130°C(160 ~ 400V) -25 ~ +130°C(450V)			
额定工作电压范围 Rated Voltage Range	160 ~ 450V			
静电容量允许偏差 Capacitance Tolerance	±20% (M) (at 20°C, 120Hz)			
漏电流 Leakage Current	Time	After 2minute 2分钟读数		after application of rated Voltage for 2 minutes. 施加工作电压2分钟后读数。 I:漏电流 (µA)、C: 静电容量 (µF)、额定电压 (V)
	WV	WV=160~400	I=0.02CV+10	
	WV=450	I=0.03CV+10		
损耗角正切值 tan δ Dissipation Factor	Rated voltage(V)	160~400	450	(at 20°C, 120Hz)
	tan δ (Max.)	0.08	0.12	
低温特性 Low temperature Characteristics (Max. Impedance Ratio)	电容器低温的阻抗比值, 不应超过下表所列出的值 Impedance ratio values must not exceed values listed in below table.			
	Rated voltage(V)	160~250	350~400	450
	Z(-25°C)/Z(+20°C)	3	5	6
	Z(-40°C)/Z(+20°C)	6	6	-
耐久性 Endurance	施加额定工作电压和额定纹波电流经规定时间后, 恢复到20°C后, 产品性能应满足以下要求 The following specifications shall be satisfied when the capacitors are restored to 20°C after application of rated voltage with rated ripple current.			
	Capacitance change	≅ ±20% of the initial value		
	D.F. (tan δ)	≅ 200% of the specified value		
	Leakage current	≅ The specified value		
高温储存特性 Shelf Life	105°C存放1000小时, 恢复到20°C后, 产品性能应满足以下要求 The following specifications shall be satisfied when the capacitors are restored to 20°C after exposing them for 1000 hours at 105°C without voltage applied.			
	Capacitance change	≅ ±20% of the initial value		
	D.F. (tan δ)	≅ 200% of the specified value		
	Leakage current	≅ 500% of the specified value		

外形图 DIMENSIONS (mm)



ΦD	8	10~13	16~18	20
P	3.5	5.0	7.5	10
Φd	0.5	0.6	0.8	0.8

L	(L < 20) 1.5
	(L ≥ 20) 2.0

纹波电流修正系数 RATED RIPPLE CURRENT COEFFICIENT

- 频率系数 Frequency Coefficient

Rated Voltage	Frequency(Hz)	120	1k	10k	100k
160 ~ 250V		0.55	0.84	0.91	1.00
350 ~ 450V		0.50	0.81	0.91	1.00

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■ 尺寸与最大纹波电流一览表 STANDARD RATINGS

WV(V) Cap(μF)	160(2C)		200(2D)		250(2E)		350(2V)		400(2G)		450(2W)	
	1.0							8×12	65	8×12	65	8×16
1.5							10×13	75	10×13	75	10×16	78
1.8							10×16	80	10×16	80	10×16	75
2.2					8×12	70	10×16	82	10×16	82	10×16	78
2.8			8×12	70	10×13	80	10×16	86	10×16	86	10×16	82
3.3	8×12	81	8×12	81	10×20	95	10×16	95	10×16	95	10×16	90
4.7	10×13	91	10×13	91	10×16	100	10×20	120	10×20	120	10×20	115
5.6	8×16	98	8×16	98	10×16	100	10×20	138	10×20	138	13×20	140
6.8	8×16	104	8×16	104	10×16	116	13×20	200	13×20	200	13×20	195
8.2	10×16	122	10×16	122	10×16	122	13×20	215	13×20	215	13×20	210
10	10×16	232	10×16	232	10×20	250	13×20	250	13×20	250	13×20	246
15	10×16	356	10×20	371	10×20	371	13×25	386	13×25	386	13×25	375
22	10×20	450	13×20	458	13×20	458	16×26	480	16×26	480	16×30	505
33	13×20	540	13×20	540	13×25	552	16×30	575	16×30	575	16×35	603
47	13×25	595	13×25	595	16×26	620	16×35	650	18×35	755	20×35	790
68	16×26	695	16×26	695	16×30	830	20×35	900	20×35	900	18×35	885
100	16×26	1005	16×35	1015	18×30	1085						
150	18×30	1225	18×35	1232	22×35	1280						
220	20×35	1260	22×35	1260								

↑ Rated ripple current (mArms) at 105°C, 100KHz

↑ Case size ΦDXL (mm)