

TD Series

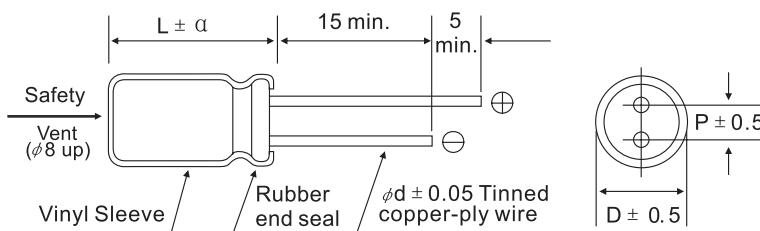


- Endurance with ripple current : 105°C 8,000 hours or 130°C 2,000 hours
- Especially designed for electronic ballast
- For electronic ballast and energy-save lamp and other long life applications
- RoHS Compliant

■ 規格表 SPECIFICATIONS

項目 Items	特性參數 Characteristics			
使用溫度範圍 Category Temperature Range	-40 ~ +130°C (160 ~ 400V) -25 ~ +130°C (450V)			
額定工作電壓範圍 Rated Voltage Range	160 ~ 450V			
靜電容量允許偏差 Capacitance Tolerance	±20% (M) (at 20°C, 120Hz)			
漏電流 Leakage Current	Time	After 2minute 2分鐘讀數		after application of rated Voltage for 2 minutes. 施加工作電壓2分鐘後讀數。 I:漏電流 (µA)、C: 靜電容量 (µF)、額定電壓 (V)
	WV	I=0.02CV+10		
	WV=450	I=0.03CV+10		
損耗角正切值tan δ Dissipation Factor	Rated voltage(V)	160~400	450	(at 20°C, 120Hz)
	tan δ (Max.)	0.08	0.12	
低溫特性 Low temperature Characteristics (Max. Impedance Ratio)	電容器低溫的阻抗比值，不應超過下表所列出的值 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	施加額定工作電壓和額定紋波電流，恢復到20°C後，產品性能應滿足以下要求 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		
高溫儲存特性 Shelf Life	105°C存放1000小時，恢復到20°C後，產品性能應滿足以下要求 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		

■ 外形圖 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

α	(L<20) 1.5
	(L≧20) 2.0

■ 紋波電流補正係數 RATED RIPPLE CURRENT COEFFICIENT

- 頻率係數 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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■ 尺寸與最大紋波電流一覽表 STANDARD RATINGS

WV(V) Cap(μF)	160(2C)		200(2D)		250(2E)		350(2V)		400(2G)		450(2W)	
1.0							8×12	60	8×12	65	8×16	70
1.5							10×13	65	10×13	75	10×16	80
1.8							10×16	68	10×16	80	10×16	85
2.2					8×12	70	10×16	81	10×16	82	10×16	85
2.8			8×12	70	10×13	80	10×16	85	10×16	90	10×16	90
3.3	8×12	80	8×12	81	10×20	88	10×16	95	10×16	100	10×16	100
4.7	10×13	85	10×13	91	10×16	100	10×20	120	10×20	115	10×20	115
5.6	8×16	90	8×16	98	10×16	100	10×20	138	10×20	125	13×20	125
6.8	8×16	100	8×16	105	10×16	105	13×20	200	13×20	200	13×20	200
8.2	10×16	110	10×16	115	10×16	110	13×20	215	13×20	235	13×20	250
10	10×16	225	10×16	225	10×20	250	13×20	250	13×20	250	13×20	285
15	10×16	380	10×20	380	10×20	406	13×25	272	13×25	290	13×25	380
22	10×20	450	13×20	450	13×20	538	16×26	313	16×26	385	16×30	505
33	13×20	450	13×20	540	13×25	538	16×30	450	16×30	575	16×35	630
47	13×25	595	13×25	595	16×26	650	16×35	595	18×35	755	20×35	790
68	16×26	695	16×26	685	16×30	830	20×35	765	20×35	900	18×35	815
100	16×26	1,005	16×35	1,005	18×30	1,085	<p>Rated ripple current (mA_{rms}) at 105°C, 100KHz</p> <p>Case size ΦDXL (mm)</p>					
150	18×30	1,225	18×35	1,225	22×35	1,350						
220	20×35	1,260	22×35	1,535								