

TC Series

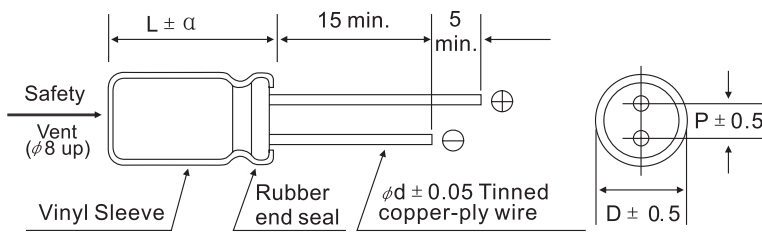
- Endurance with ripple current : 105°C 5,000 hours
- Especially designed for electronic ballast
- RoHS Compliant



■ 規格表 SPECIFICATIONS

項目 Items	特性參數 Characteristics			
使用溫度範圍 Category Temperature Range	-40 ~ +105°C (160 ~ 400V)		-25 ~ +105°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			
	WV=160~400	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最大允許紋波電流，經恢復20°C後測試產品性能應滿足以下要求 The following specifications shall be satisfied when the capacitors are restored at 20°C after subjected to DC voltage with the rated ripple current is applied.			
	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無負荷放置1000小時，經恢復20°C後測試產品性能應滿足以下要求 The following specifications shall be satisfied when the capacitors are restored at 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	6.3	8	10 ~ 13
P	2.5	3.5	5.0
φd	0.5	0.5	0.6

α	(L < 20) 1.5
	(L ≥ 20) 2.0

■ 紋波電流補正系數 RATED RIPPLE CURRENT COEFFICIENT

- 頻率系數 Frequency Coefficient

Rated Voltage	Frequency(Hz)	120	1k	10k	100k
160 ~ 250V		0.54	0.86	0.90	1.00
350 ~ 400V		0.50	0.80	0.89	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	6.3×11	38	6.3×11	40	6.3×11	45	8×12	55	8×12	60	8×12	60
1.5	6.3×11	52	6.3×11	55	8×12	55	8×12	60	10×13	62	10×13	70
1.8	6.3×11	55	6.3×11	60	8×12	60	10×13	60	10×13	70	10×13	75
2.2	6.3×11	60	6.3×11	70	8×12	68	10×13	66	10×16	74	10×16	78
2.8	8×12	65	8×12	72	8×12	68	10×13	73	10×16	80	10×16	90
3.3	8×12	70	8×12	76	8×12	73	10×13	80	10×16	90	10×16	95
4.7	8×12	80	8×12	93	8×16	95	10×16	102	10×20	110	10×20	110
5.6	8×12	85	8×12	100	8×16	100	10×16	113	10×20	115	10×20	116
6.8	8×12	89	8×16	103	8×16	103	10×20	143	10×20	155	13×20	163
8.2	8×12	102	10×16	110	10×16	110	13×20	200	10×20	215	13×20	218
10	8×12	205	10×16	208	10×20	225	13×20	230	13×20	230	13×20	250
15	10×16	235	10×20	250	10×20	251			13×20	265	13×25	325
22	10×20	238	10×20	285	13×20	290			13×25	350	16×26	435
33	10×20	285	13×20	340	13×20	320			16×26	455		
47	13×20	320	13×25	375	13×25	390			16×32	600		

Rated ripple current (mArms) at 105°C, 100KHz
 Case size ΦDXL (mm)