

TZ series

- Snap-in type, 105°C10000 hours long life product.
- Long life. and high ripple current resistance.
- Suitable for computer equipment, inverter air conditioner etc.
- RoHS Compliance
- 基板自立 105°C10000小時長壽命品
- 耐高溫、高紋波。
- 適用於電腦設備、變頻空調等。



SPECIFICATIONS

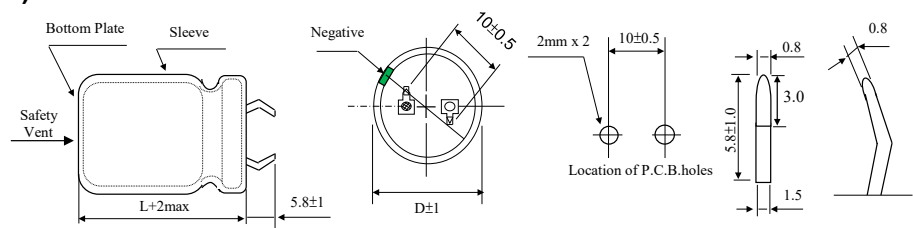
Items 項目	Characteristics 特性				
Capacitance Tolerance 靜電容量誤差	± 20%(M)				
Operating Temperature Range 適用溫度範圍	-25 ~ +105℃				
Rated Voltage Range 額定電壓範圍	200 ~ 450VDC				
Leakage Current 洩漏電流	$I \leq 3\sqrt{CV}$ (μA) or 5mA, which is smaller.(After 5 minutes application of DC rated voltage, at 20 ℃)				
Dissipation Factor 散逸因素(tan δ)	Measurement Frequency: 120Hz. Temperature: 20℃				
	Rated Voltage(V)	200	250	400	450
	tan δ(Max)	0.15	0.15	0.15	0.20
Temperature Stability 溫度特性	Measurement Frequency: 120Hz.				
	Rated Voltage(V)	200	250	400	450
	Z(-25℃)/Z(20℃)	4	4	4	8
Load Life 負荷壽命	The following specifications shall be satisfied when the capacitors are restored to 20℃ after subjected to DC voltage with the rated ripple current is applied for 10,000 hours at 105℃.				
	Capacitance Change	Within ±30% of the Initial Value			
	tan δ	250% or less of Initial Specified Value			
	Leakage Current	Initial Specified Value or less			
Shelf Life 放置壽命	The following specifications shall be satisfied when the capacitors are restored to 20℃ after exposing them for 1,000 hours 105℃ without voltage applied. Before the measurement, the capacitor shall be preconditioned by applying voltage according to them 4.1 of JIS C5101-4.				
	Capacitance Change	Within ± 15% of the Initial Value			
	tan δ	150% or less of Initial Specified Value			
	Leakage Current	Initial Specified Value or less			
Standards 參照標準	IEC 60384-4 (JIS C 5101-4)				

Frequency Coefficient of Permissible Ripple Current

Rated Voltage (V)	Frequency (Hz)					
	50	120	300	1K	10K	50K
200~250	0.81	1.00	1.17	1.32	1.45	1.50
400~450	0.77	1.00	1.16	1.30	1.41	1.43

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DIMENSIONS(mm)



STANDARD RATINGS

DxL(mm), R.C : (A rms) at 105°C 120 Hz

Cap (μ F)	V	200		250		400		450	
	Item	D x L	R.C.	D x L	R.C.	D x L	R.C.	D x L	R.C.
220						30x35	1.00	30x40	1.04
220								35x30	1.02
270						30x40	1.15	30x45	1.19
270						35x30	1.13	35x35	1.16
330						30x45	1.29	30x50	1.33
330						35x35	1.26	35x40	1.32
330						40x30	1.28		
390				30x30	1.30	30x50	1.44	35x45	1.48
390						35x40	1.43		
470				30x35	1.42	35x45	1.60	35x50	1.64
470						40x35	1.58		
560		30x30	1.50	35x30	1.58	35x50	1.79	40x60	1.98
560						40x40	1.78		
680		30x35	1.70	30x45	1.80	40x50	2.05		
680				35x35	1.76				
820		30x40	2.00	30x50	2.03	40x60	2.36		
820		35x30	2.00	35x40	2.01				
820				40x30	1.96				
1000		30x45	2.20	35x45	2.30				
1000		35x35	2.20	40x35	2.27				
1000		40x30	2.17						
1200		35x40	2.40	35x50	2.55				
1200		40x35	2.45	40x40	2.53				
1500		35x50	2.81	40x50	2.98				
1500		40x40	2.79						
1800		40x50	3.24	40x60	3.40				

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