

SH SERIES

Working temperature range up to 105°C

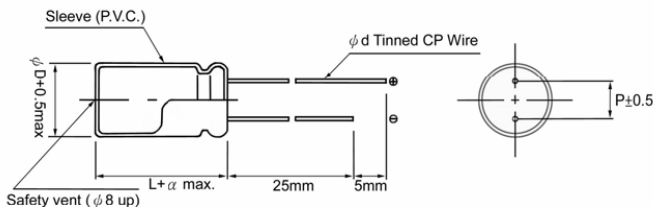
5mm Miniature sized for general-purpose application.

5mm 高度、105°C 迷你型品配合電子產品日益小型化之發展應用趨勢。

SPECIFICATION:

ITEM 項目	Performance Characteristics 特性						
Operating Temperature range 使用溫度範圍	-40°C ~ +105°C						
Rated Voltage(vdc) 定格電壓範圍	6.3v ~ 50v DC						
Capacitance Tolerance 電容量容許差	±20% at 120 Hz ,20°C						
Leakage Current 漏洩電流	I=0.03CV or 4uA, whichever is greater after 3 minutes application of rated voltage I=Leakage C=Rated capacitance V=Working voltage						
Dissipation Factor tan δ 損失角之正接(120Hz, 20°C)	Rated Voltage	6.3	10	16	25	35	50
	DF(tan δ)	0.28	0.24	0.20	0.16	0.13	0.12
Temperature Characteristics 低溫穩定特性	Stability at Low Temperature						
	Rated Voltage	6.3	10	16	25	35	50
	Z(-25°C)/Z(20°C)	4	3	2	2	2	2
	Z(-40°C)/Z(20°C)	8	6	4	4	3	3
Load Life 高溫負載壽命	After 1,000 hours application of WV at 105°C ,capacitors meet the characteristics requirements mentioned below						
	Capacitance Change	Within 25% of initial value					
	DF(tan δ)	200% or less of initial specified value					
	Leakage Current	200% or less of initial specified value					
Shelf Life 高溫無負載壽命	AT 85°C no voltage applied after 500 hours the capacitor shall meet the limits as in load life						

Dimension



φ D	4	5	6.3	8
P	1.5	2.0	2.5	3.5
φ d	0.45			
α	1			

WV Cap	6.3V		10V		16V		25V		35V		50V	
	φ DxL	Ripple	φ DxL	Ripple	φ DxL	Ripple	φ DxL	Ripple	φ DxL	Ripple	φ DxL	Ripple
1											4x5	7
2.2											4x5	10
3.3											4x5	13
4.7							4x5	13	4x5	15	5x5	18
10					4x5	18	5x5	22	5x5	25	6.3x5	30
22	4x5	22	5x5	27	5x5	30	6.3x5	38	6.3x5	42	8x5	50
33	5x5	31	5x5	34	6.3x5	42	6.3x5	47	8x5	55		
47	5x5	37	6.3x5	46	6.3x5	50	6.3x5	58	8x5	72		
100	6.3x5	62	6.3x5	68	6.3x5	75	8x5	96				
220	6.3x5	85	8x5	120	8x5	130			▲ Case size φ DxL (mm)			
330	8x5	142							▲ Rated Ripple current (mA rms) at 105°C 120Hz			