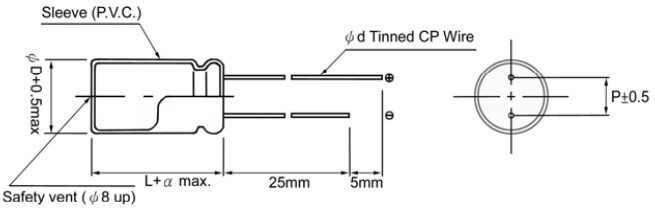
HSM SERIES

7 mm Height Standard Miniature Series, for popular circuit.
105℃迷你型高温品适合供应小型化之电子产品及高密度电子设备

SPECIFICATION:

ITEM 项目	Performance Characteristics 特性						
Operating Temperature range 使用温度范围	-40℃ ～ +105℃						
Rated Voltage(vdc) 定格电压范围	6.3v ～ 50v DC						
Capacitance Tolerance 电容量容许差	±20% at 120 Hz ,20℃						
Leakage Current 漏泄电流	I=0.01CV or 3uA, whichever is greater after 3 minutes application of rated voltage I=Leakage C=Rated capacitance V=Working voltage						
Dissipation Factor tan δ 损失角之正接(120Hz,20℃)	Rated Voltage	6.3	10	16	25	35	50
	DF(tan δ)	0.24	0.20	0.17	0.15	0.12	0.10
Temperature Characteristics 低温稳定特性	Stability at Low Temperature						
	Rated Voltage	6.3	10	16	25	35	50
	Z(-25℃)/Z(20℃)	4	3	2	2	2	2
	Z(-40℃)/Z(20℃)	8	6	4	4	3	3
Load Life 高温负载寿命	After 1,000 hours application of at 105℃,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高温无负载寿命	AT 105℃ no voltage applied after 500 hours the capacitor shall meet the limits as in load life.						

Dimension



φD	4	5	6.3	8
P	1.5	2.0	2.5	3.5
φd	0.45	0.45	0.45	0.50
α	1			

WV	6.3V		10V		16V		25V		35V		50V	
Cap	φ DxL	mA rms	φ DxL	mA rms	φ DxL	mA rms	φ DxL	mA rms	φ DxL	mA rms	φ DxL	mA rms
1											4x7	10
2.2											4x7	18
3.3											4x7	23
4.7									4x7	24	4x7	26
10					4x7	29	4x7	31	5x7	36	6.3x7	44
22	4x7	34	4x7	36	4x7	38	5x7	46	6.3x7	55	6.3x7	58
33	4x7	38	4x7	40	5x7	48	6.3x7	60	6.3x7	62	8x7	70
47	4x7	44	5x7	60	5x7	59	6.3x7	68	6.3x7	72	8x7	88
100	5x7	72	5x7	80	6.3x7	92	8x7	112	8x7	120		
220	6.3x7	112	6.3x7	120	8x7	146			▲Case size φ DxL (mm)			
470	8x7	150	8x7	162	8x7	180			▲Rated Ripple current (mA rms) at 105℃120Hz			
470	8x7	230										