

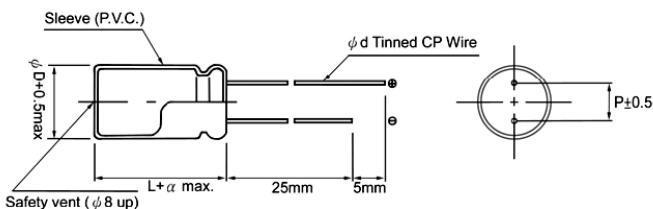
## SM SERIES

7 mm Height Standard Miniature Series, for popular circuit.  
85°C迷你型标准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°C ~ +85°C						
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°C						
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 损耗角之正接(120Hz, 20°C)	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°C)/Z(20°C)	4	3	2	2	2	2
Z(-40°C)/Z(20°C)	8	6	4	4	3	3	
Load Life 高温负载寿命	After 1,000 hours application of at 85°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 高温无负载寿命	AT 85°C no voltage applied after 500 hours the capacitor shall meet the limits as in load life.						

### Dimension (mm)



$\phi D$	4	5	6.3	8
P	1.5	2.0	2.5	3.5
$\phi d$	0.45	0.45	0.45	0.50
$\alpha$	1			

WV Cap	6.3V		10V		16V		25V		35V		50V	
	$\phi$ DxL	mA rms	$\phi$ DxL	mA rms	$\phi$ DxL	mA rms	$\phi$ DxL	mA rms	$\phi$ DxL	mA rms	$\phi$ DxL	mA rms
1											4x7	10
2.2											4x7	19
3.3											4x7	24
4.7											4x7	28
10					4x7	28	4x7	28	5x7	36	5x7	38
22	4x7	34	4x7	35	4x7	39	4x7	43	5x7	52	6.3x7	58
33	4x7	40	4x7	43	5x7	55	5x7	58	6.3x7	65	8x7	75
47	4x7	48	4x7	51	5x7	65	6.3x7	71	6.3x7	76	8x7	95
100	5x7	78	5x7	82	6.3x7	98	6.3x7	106	8x7	130		
220	6.3x7	120	6.3x7	126	6.3x7	132			▲ Case size $\phi$ DxL (mm)			
330	8x7	180	8x7	188	8x7	196			▲ Rated Ripple current (mA rms) at 85°C 120Hz			