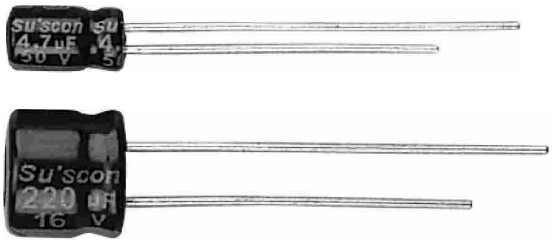
SM series

- Miniature product.
- Suitable for small electronic equipments.
- With 7mm height.
- 迷你型產品。
- 適用於小型電子設備。
- 高度為7mm。



SPECIFICATIONS

Items 項目	Characteristics 特 性						
Capacitance Tolerance 靜電容量誤差	±20% (120Hz, 20°C)						
Operating Temperature Range 適用溫度範圍	-40 ~ +105°C						
Rated Voltage Range 工作電壓範圍	6.3 ~ 50V						
Leakage Current 洩漏電流	I≦0.01CV or 3 (μA), which is greater. (After 2 minutes application of working voltage)						
Dissipation Factor 散逸因素 (tan δ)	Measurement Frequency: 120Hz. Temperature: 20°C						
	Rated Voltage (V)	6.3	10	16	25	35	50
	tan δ (Max)	0.24	0.20	0.16	0.15	0.12	0.10
Low Temperature Stability 低溫特性 Impedance Ratio (Max) 阻抗比率 (最大值)	Measurement Frequency: 120Hz.						
	Rated Voltage (V)	6.3	10	16	25	35	50
	Z (-25°C) / Z (20°C)	3	2	2	2	2	2
	Z (-40°C) / Z (20°C)	6	5	4	3	3	3
Load Life 負荷壽命	1,000hours, with application of working voltage at 105°C						
	Capacitance Change	Within ±20% of Initial Value					
	tan δ	200% or less of Initial Specified Value					
	Leakage Current	Initial Specified Value or less					
Shelf Life 放置壽命	1,000hours, no voltage applied, at 105°C。 After Test: U_R to be applied for 30 minutes, 24 to 48hours before measurement.						
	Capacitance Change	Within ±20% of Initial Value					
	tan δ	200% or less of Initial Specified Value					
	Leakage Current	Initial Specified Value or less					
Standards 參照標準	JIS C 5101-4-1 and JIS C 5101-2						

PERMISSIBLE RIPPLE CURRENT

Temperature Coefficient

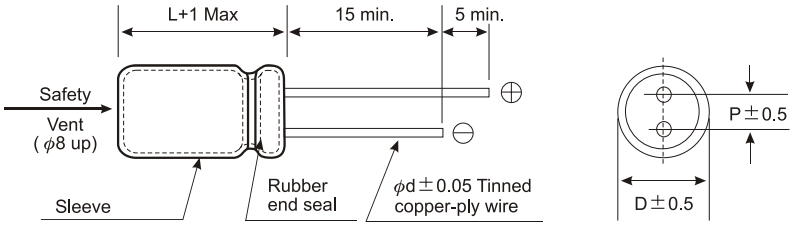
TEMP (°C)	75	105
Coefficient	1.35	1.00

Frequency Coefficient

Capacitance (μF)	Frequency (Hz)			
	50	120	1K	≧10K
＜100	0.80	1.00	1.30	1.50
≧100	0.80	1.00	1.15	1.20

SM series

DIMENSIONS (mm)



φ D	4	5	6.3	8
P	1.5	2.0	2.5	3.5
φ d	0.45	0.5	0.5	0.5

STANDARD RATINGS

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

Cap (μF)	WV(V) (Code)	6.3 (0J)		10 (1A)		16 (1C)	
	Item	D x L	R.C.	D x L	R.C.	D x L	R.C.
10						4 x 7	28
22		4 x 7	34	4 x 7	37	4 x 7	44
33		4 x 7	42	4 x 7	45	5 x 7	52
47		4 x 7	50	5 x 7	60	5 x 7	69
100		5 x 7	75	6.3 x 7	86	6.3 x 7	95
220		6.3 x 7	95	8 x 7	145	8 x 7	150
330		8 x 7	160				

Cap (μF)	WV(V) (Code)	25 (1E)		35 (1V)		50 (1H)	
	Item	D x L	R.C.	D x L	R.C.	D x L	R.C.
0.1						4 x 7	1.0
0.22						4 x 7	2.3
0.33						4 x 7	3.5
0.47						4 x 7	5.0
1						4 x 7	10
2.2						4 x 7	18
3.3				4 x 7	18	4 x 7	24
4.7		4 x 7	22	4 x 7	22	4 x 7	28
10		4 x 7	29	5 x 7	33	5 x 7	42
22		5 x 7	35	6.3 x 7	55	6.3 x 7	60
33		6.3 x 7	62	6.3 x 7	65	8 x 7	68
47		8 x 7	75	8 x 7	80	8 x 7	95
100		8 x 7	95				
150		8 x 7	105				
180		8 x 7	120				