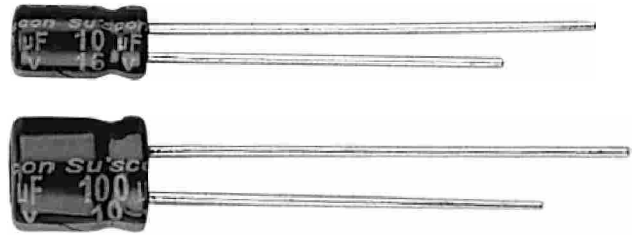


ST series

- Long life 5,000 hours.
- 7mm Miniature product.
- 5,000小時長壽命品。
- 7mm超小型。



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	$I \leq 0.01CV$ or 3 (μA) (After 2 minutes application of DC working voltage, at 20°C)						
Dissipation Factor 散逸因素 ($\tan \delta$)	Measurement Frequency: 120Hz, Temperature: 20°C						
	Rated Voltage (V)	6.3	10	16	25	35	50
	$\tan \delta$ (Max)	0.24	0.20	0.17	0.15	0.13	0.12
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)	4	3	2	2	2	2
	Z (-40°C) / Z (20°C)	8	6	4	3	3	3
Load Life 負荷壽命	5,000hours, with application of working voltage at 105°C						
	Capacitance Change	Within ± 30% of Initial Value					
	$\tan \delta$	300% 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 ± 30% of Initial Value					
	$\tan \delta$	300% 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

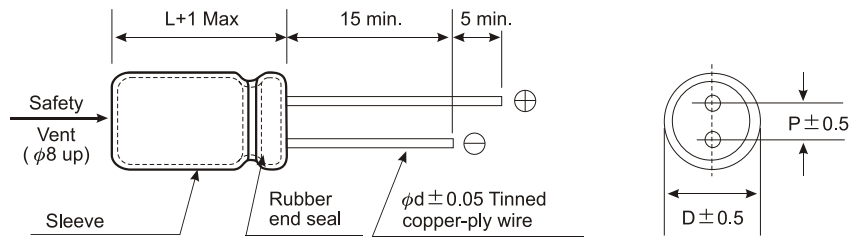
TEMP (°C)	65	75	85	95	105
Coefficient	2.10	1.90	1.70	1.50	1.00

Frequency Coefficient

Frequency (Hz)	50	120	1K	≥ 10K
Coefficient	0.65	1.00	1.37	1.50

ST 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	29
22		4 x 7	35	5 x 7	42	5 x 7	46
33		5 x 7	43	5 x 7	50	6.3 x 7	58
47		5 x 7	50	6.3 x 7	60	6.3 x 7	70
100		6.3 x 7	76	8 x 7	96	8 x 7	110
220		8 x 7	131				

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	1.5
0.22						4 x 7	2.5
0.33						4 x 7	3.5
0.47						4 x 7	5
1						4 x 7	12
2.2						4 x 7	21
3.3						4 x 7	26
4.7				4 x 7	26	5 x 7	31
10		5 x 7	36	5 x 7	36	6.3 x 7	46
22		6.3 x 7	52	6.3 x 7	60	8 x 7	67
33		6.3 x 7	65	8 x 7	75		
47		8 x 7	80				

ST