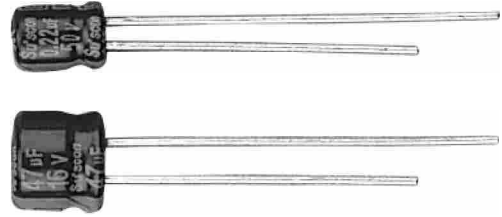


## S5 series

- Super miniature product.
- Suitable for pocket electronic equipments, such as:  
portable computer, pocket recorder etc.
- With 5mm height.
- 超小型產品。
- 適用於小型電子設備。
- 高度為5mm。



### 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 ~ +85°C							
Rated Voltage Range 工作電壓範圍	4 ~ 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: 120 Hz. Temperature: 20°C							
	Rated Voltage (V)	4	6.3	10	16	25	35	50
	tan δ (Max)	0.35	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)	4	6.3	10	16	25	35	50
	Z (-25°C) / Z (20°C)	7	4	3	2	2	2	2
	Z (-40°C) / Z (20°C)	15	8	6	4	4	3	3
Load Life 負荷壽命	1,000hours, with application of working voltage at 85°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 85°C. After Test: U <sub>R</sub> 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

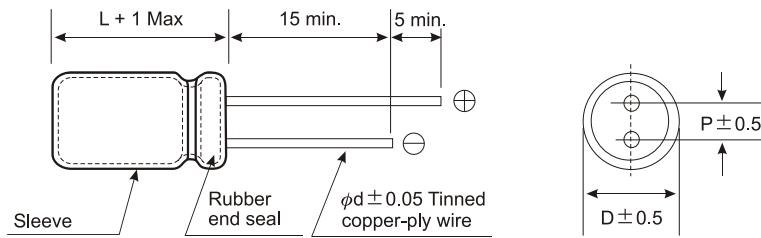
TEMP (°C)	75	85
Coefficient	1.35	1.00

#### 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

# S5 series

## DIMENSIONS (mm)



$\phi D$	3	4	5	6.3	8
P	1.0	1.5	2.0	2.5	2.5
$\phi d$	0.40	0.45	0.45	0.45	0.45

## STANDARD RATINGS

DxL (mm); R.C.: (mA rms) at 85°C, 120Hz.

Cap ( $\mu F$ )	WV(V) (Code)	4 (0G)		6.3 (0J)		10 (1A)		16 (1C)	
		Item	D x L	R.C.	D x L	R.C.	D x L	R.C.	D x L
4.7								3 x 5	10
10				3 x 5	15	4 x 5 (3 x 5)	17 (13)	4 x 5 (3 x 5)	23 (18)
22		4 x 5	18	4 x 5	25	4 x 5	30	5 x 5	37
33		4 x 5	25	5 x 5	35	5 x 5	41	6.3 x 5	49
47		4 x 5	35	5 x 5	40	6.3 x 5	50	6.3 x 5	58
100		5 x 5	60	6.3 x 5	65	6.3 x 5	80	6.3 x 5	94
220		6.3 x 5	72	6.3 x 5	93	8 x 5	145	8 x 5	176
330		8 x 5	140	8 x 5	170				
470		8 x 5	182						

Cap ( $\mu F$ )	WV(V) (Code)	25 (1E)		35 (1V)		50 (1H)	
		Item	D x L	R.C.	D x L	R.C.	D x L
0.1						4 x 5 (3 x 5)	1.0 (0.8)
0.22						4 x 5 (3 x 5)	2.2 (2.0)
0.33						4 x 5 (3 x 5)	3.2 (2.8)
0.47						4 x 5 (3 x 5)	4.4 (4.0)
1						4 x 5 (3 x 5)	8.4 (8.0)
2.2				3 x 5	8.5	4 x 5	13
3.3		3 x 5	11	4 x 5	15	4 x 5	17
4.7		4 x 5	16	4 x 5	18	4 x 5	23
10		4 x 5	27	5 x 5	29	6.3 x 5	33
22		6.3 x 5	44	6.3 x 5	48	6.3 x 5	55
33		6.3 x 5	52	6.3 x 5	65	8 x 5	80
47		6.3 x 5	70	8 x 5	100		
100		8 x 5	110				