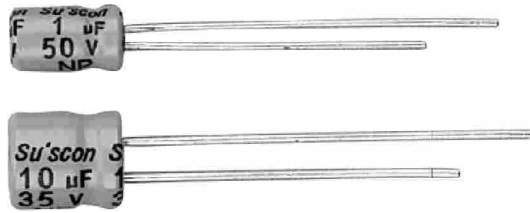


MN series

- Height 7 mm Bi-Polarized.
- 7 mm高，雙極性產品。



MN

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	6.3 ~ 50V						
Leakage Current 洩漏電流	$I \leq 0.05CV$ or 10 (μA), which is greater. (After 2 minutes application of working voltage)						
Dissipation Factor 散逸因素 ($\tan \delta$)	Measurement Frequency: 120 Hz. Temperature: 20°C						
	Rated Voltage (V)	6.3	10	16	25	35	50
	$\tan \delta$ (Max)	0.24	0.20	0.16	0.16	0.14	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	4	3	3
Load Life 負荷壽命	2,000hours, with the polarity inverted every 250hours at 85°C						
	Capacitance Change	Within ±20% of Initial Value					
	$\tan \delta$	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_R to be applied for 30 minutes, 24 to 48hours before measurement.						
	Capacitance Change	Within ±20% of Initial Value					
	$\tan \delta$	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

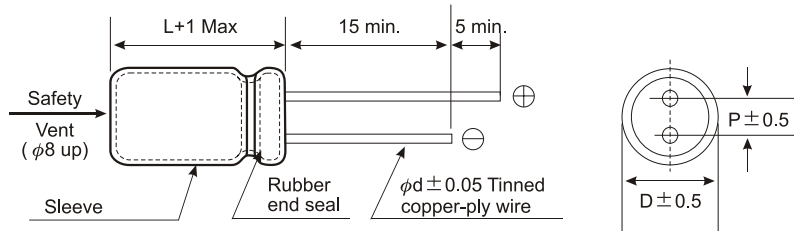
TEMP (°C)	75	85
Coefficient	1.30	1.00

Frequency Coefficient

Frequency (Hz)	50	120	300	1K	≥ 10K
Coefficient	0.70	1.00	1.17	1.36	1.50

MN series

DIMENSIONS (mm)



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

STANDARD RATINGS

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

Cap (μF)	WV(V) (Code)	6.3 (0J)		10 (1A)		16 (1C)	
		D x L	R.C.	D x L	R.C.	D x L	R.C.
4.7						4x7	19
10				4x7	24	5x7	30
22				5x7	41	6.3x7	51
33		5x7	43	6.3x7	56	6.3x7	64
47		6.3x7	58	6.3x7	67	6.3x7	75
100		8x7	96	8x7	110	8x7	125
220		8x7	140				

Cap (μF)	WV(V) (Code)	25 (1E)		35 (1V)		50 (1H)	
		D x L	R.C.	D x L	R.C.	D x L	R.C.
0.1						4x7	4.0
0.22						4x7	6.0
0.33						4x7	7.3
0.47						4x7	8.9
1						4x7	12
2.2						4x7	19
3.3				4x7	20	5x7	25
4.7		5x7	22	5x7	30	6.3x7	38
10		6.3x7	35	6.3x7	48	8x7	54
22		6.3x7	53	8x7	62	8x7	66
33		8x7	74	8x7	76		
47		8x7	87				