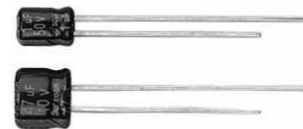


M5 series

- Subminiature product, Low impedance, 105°C , 1000 hours
- Applicable to small electronic devices.
- Height: 5mm.
- RoHS Compliance
- 105°C 低阻抗、超小型1000小時壽命產品。
- 適用於小型電子設備。
- 高度：5mm系列。



SPECIFICATIONS

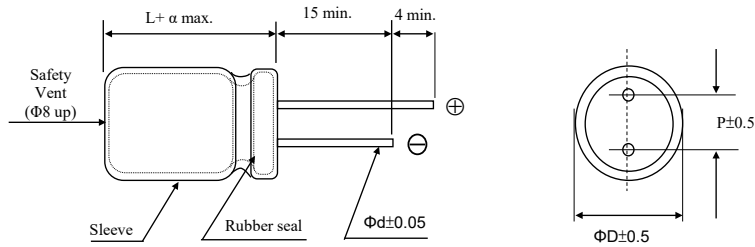
Items 項目	Characteristics 特性						
Capacitance Tolerance 靜電容量誤差	± 20%(120Hz,20°C)						
Operating Temperature Range 適用溫度範圍	-40 ~ +105°C						
Rated Voltage Range 額定電壓範圍	6.3 ~ 35VDC						
Leakage Current 洩漏電流	$I \leq 0.01CV$ or 3 (μA) which is greater.(After 2 minutes application of DC rated voltage, at 20 °C)						
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)	0.22	0.20	0.18	0.14	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)	2	2	2	2	2	
	Z(-40°C)/Z(20°C)	4	4	3	3	3	
Load Life 負荷壽命	1000hours,with application of rated 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	The following specifications shall be satisfied when the capacitors are restored to 20°C after exposing them for 500 hours 105°C without voltage applied. Before the measurement. The Capacitance shall be preconditioned by applying voltage according to them 4.1 of JIS C 5101-4.						
	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	IEC 60384-4(JIS C 5101-4)						

Frequency Coefficient of Permissible Ripple Current

Frequency (Hz)	50	120	300	1K	10K ~ 100K
Coefficient	0.50	0.65	0.70	0.90	1.00

M5 series

DIMENSIONS(mm)



ΦD	4	5	6.3
P	1.5	2.0	2.5
Φd	0.45	0.45	0.45

$\alpha = 1.5$

STANDARD RATINGS

D×L(mm) ; R.C.(mA rms) at 105°C 100KHz, IMP (Ω max) at 20°C 100KHz.

Cap (μF)	V	6.3			10			16		
	Item	D x L	R.C.	IMP	D x L	R.C.	IMP	D x L	R.C.	IMP
10								4x5	55	5.0
15								5x5	80	2.6
22	4x5	52	5.0	5x5	80	2.6	5x5	82	2.5	
33	5x5	82	2.5	5x5	82	2.5	6.3x5	113	1.3	
47	5x5	85	2.5	6.3x5	115	1.2	6.3x5	115	1.2	
68	6.3x5	118	1.3							
100	6.3x5	120	1.2							

Cap (μF)	V	25			35		
	Item	D x L	R.C.	IMP	D x L	R.C.	IMP
1					4x5	48	5.0
1.5					4x5	49	4.9
2.2					4x5	50	4.9
3.3					4x5	52	4.8
4.7	4x5	49	5.0	4x5	55	4.8	
6.8	4x5	52	4.8	5x5	80	2.6	
10	5x5	82	2.5	5x5	85	2.5	
15	6.3x5	116	1.3	6.3x5	116	1.3	
22	6.3x5	118	1.2	6.3x5	118	1.2	
33	6.3x5	120	1.1				

M5