Mica Capacitor Technical Specification



Capacitance precision and temperature coefficient groups

Capacitance Range (pF)		10 <c<sub>R≤100</c<sub>	100 <c<sub>R≤1000</c<sub>	1000 <c<sub>R≤10000</c<sub>	C _R >10000	
Capacitance Precision	±0.5pF	±2% (0) 、±5% (I)、±10% (II)	±2% (0) 、 ±5% (I)	±1%、±2% (0) ±5% (I)	$\pm 0.5\%, \pm 1\%, \pm 2\% (0), \pm 5\% (1)$	
Temperature Coefficient Groups	I NOT	C , D	D	D, E		

Insulation resistance

Measurement Condition	Under normal temperature	Under positive high-point temperature85125		
Military	$C_R \leqslant 10000 pF, Ri \geqslant 1 \times 10^{11} Ohm$	$C_R \leqslant 33000 pF$, $Ri \geqslant 1 \times 10^9 \text{ Ohm}$		
Military	$C_R > 10000 \ pF$, $Ri:C_R \ge 1000M \ ohm \ \mu F$	$C_R\!>\!\!\!33000pF$, Ri . $C_R\!\geqslant\!33Mohm$ $\muF.$		
National	$C_R\!\leqslant\!\!100000pF$, $Ri\geqslant\!\!1~x~10^{10}$ Ohm	$C_R \leqslant 33000 pF$, $Ri \leqslant 1 \times 10^9 \text{ Ohm}$		
	$C_R > 100000 \text{ pF}$, $Ri.C_R \ge 1000 \text{Mohm} \ \mu \text{ F}$	C _R >33000 pF, Ri.C _R ≥33Mohm µ F		

The parameters of dissipation angle (a)

Measurement Condition	1MHz1Vac							
Standard								
Capacitance	$C_R < 10$	$10 \le C_R < 20$	$20 \le C_R < 30$	$30 \le C_R < 39$	$39 \le C_R < 47$	$47 \leqslant C_R < 56$		
Range(pF)								
Military		15	12	11	10.5	10		
tg δ ($\times 10^{-4}$)	Not	13	12	11	10.5	10		
National tg δ (×10 ⁻⁴)	demanded	30		20				
ιg 0 (Λ10)								

The parameters of dissipation angle (b)

Measurement Condition		1KHz, 1Vac				
Standard						
Capacitance	$56 \leqslant C_R < 68$	$68 \leqslant C_R < 82$	$82 \leqslant C_R \leqslant 100$	$100 < C_R \le 1000$	$C_R > 1000$	
Range (pF)						
Military tg δ (×10 ⁻⁴)	9.5			.5 8		
National tg δ (×10 ⁻⁴)		20	1	0		

Test voltage Ut: under normal climate , when the work voltage $Uw \le 1000V$, Ut=2.0Uw; when the work voltage Uw > 1000V, $Ut=1.5 \sim 1.8Uw$ (The special value is seen the technical document.)

^{*} Special value is available if requested.

CY 2(DM) Series Dipped Silver Mica Capacitor





Features

- **Small Size**
- Low loss and high stability
- Wide range of operating Tem.
- Meet MIL-C-5

CY2 Series Dipped Mica Capacitors have been designed to meet the exacting physical, electrical and environmental requirements of MIL-C-5. New levels of reliability, ruggedness, and electrical excellence have resulted in their wholesale adoption and used by the electronics industry for both military and commercial applications

Key Performance Characteristics

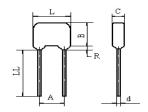
Standard Capacitance Range : 1 to 10,000 pF Capacitance Tolerance: +/-1%; +/-2%; +/-5% Voltage Rating : 100V to 1000V Operating Temperature: -55 to +85 degree C Insulation Resistance (Min.): $1\times 10^{\circ}$

* High Frequency Type is available if requested

How to Order

- ① Model
- ② Working Voltage
- 3 Temperature Coefficient Group
- 4 Nominal Capacitance
- (5) Capacitance Tolerance:

Dimension



* High Frequency Type is available if requested									
			Size(mm)						
Model	Work Voltage (V)	Capacitance Range (PF)	Lmax	Bmax	Cmax	Rmax	A	d	LLmin
G7.12 0	100	10~220	6.9	6.4	4.4	2	3.1	0.45	31.75
CY2-0	250	1~68							
CY2-1A	100	10~750		9.7	5.6	2	3.6	0.45	31.75
	250	10~330	10						
	500	1~200							
CY2-2A	100	10~2000	12.5	10.7	6.1	2	6.0	0.6	31.75
	250	10~1500							
	500	1~1000							
	100	100~8200	18.1	15.0	9.4	3.2	8.8	0.8	31.75
CIVO O A	250	100~6800							
CY2-3A	500	100~5100							
-	1000	100~2500							
CY2-1	100	10~1000	9.0	8.0	5.0	2	6.0	0.6	20.0
CY2-2	100	1100~2400	12.0	8.5	6.0	2	8.0	0.6	20.0
CY2-3	100	2700~10000	17.0	12.5	7.0	3	12.5	0.8	20.0