

Mica Capacitor Technical Specification

Capacitance precision and temperature coefficient groups

Capacitance Range (pF)	$C_R \leq 10$	$10 < C_R \leq 100$	$100 < C_R \leq 1000$	$1000 < C_R \leq 10000$	$C_R > 10000$
Capacitance Precision	$\pm 0.5\text{pF}$	$\pm 2\%$ (0) 、 $\pm 5\%$ (I) 、 $\pm 10\%$ (II)	$\pm 2\%$ (0) 、 $\pm 5\%$ (I)	$\pm 1\%$ 、 $\pm 2\%$ (0) $\pm 5\%$ (I)	$\pm 0.5\%$ 、 $\pm 1\%$ 、 $\pm 2\%$ (0) 、 $\pm 5\%$ (I)
Temperature Coefficient Groups	Not demanded	C , D	D	D , E	

Insulation resistance

Measurement Condition	Under normal temperature	Under positive high-point temperature85125
Military	$C_R \leq 10000\text{pF}$, $R_i \geq 1 \times 10^{11}\text{Ohm}$	$C_R \leq 33000\text{pF}$, $R_i \geq 1 \times 10^9 \text{ Ohm}$
	$C_R > 10000 \text{ pF}$, $R_i.C_R \geq 1000\text{M ohm } \mu\text{ F}$	$C_R > 33000 \text{ pF}$, $R_i.C_R \geq 33\text{Mohm } \mu\text{ F}$.
National	$C_R \leq 100000 \text{ pF}$, $R_i \geq 1 \times 10^{10} \text{ Ohm}$	$C_R \leq 33000\text{pF}$, $R_i \leq 1 \times 10^9 \text{ Ohm}$
	$C_R > 100000 \text{ pF}$, $R_i.C_R \geq 1000\text{Mohm } \mu\text{ F}$	$C_R > 33000 \text{ pF}$, $R_i.C_R \geq 33\text{Mohm } \mu\text{ F}$

The parameters of dissipation angle (a)

Measurement Condition	1MHz1Vac					
Standard Capacitance Range(pF)	$C_R < 10$	$10 \leq C_R < 20$	$20 \leq C_R < 30$	$30 \leq C_R < 39$	$39 \leq C_R < 47$	$47 \leq C_R < 56$
Military $\text{tg } \delta \text{ (} \times 10^{-4} \text{)}$	Not demanded	15	12	11	10.5	10
National $\text{tg } \delta \text{ (} \times 10^{-4} \text{)}$		30		20		

The parameters of dissipation angle (b)

Measurement Condition	1MHz , 1Vac				1KHz, 1Vac
Standard Capacitance Range (pF)	$56 \leq C_R < 68$	$68 \leq C_R < 82$	$82 \leq C_R \leq 100$	$100 < C_R \leq 1000$	$C_R > 1000$
Military $\text{tg } \delta \text{ (} \times 10^{-4} \text{)}$	9.5	8	7.5		8
National $\text{tg } \delta \text{ (} \times 10^{-4} \text{)}$	20			10	

Test voltage U_t : under normal climate , when the work voltage $U_w \leq 1000\text{V}$,
 $U_t = 2.0U_w$; when the work voltage $U_w > 1000\text{V}$, $U_t = 1.5 \sim 1.8U_w$ (The special value is seen the technical document.)

[illegible]