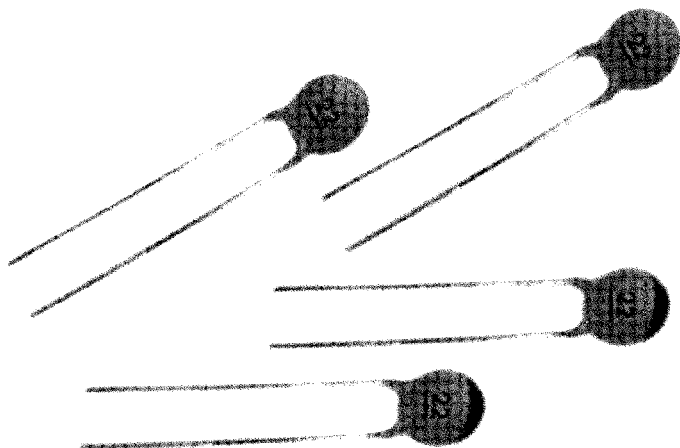


JW.C

TYPE CC1, CC81 fixed ceramic dielectric capacitors



Features and usage

This capacitor features high capacitance stability, low dielectric loss and a great variety of temperature coefficients, suitable for resonant circuit where temperature compensation is required.

The capacitor is round chip phenolic package seal round wire lead out of one direction and this capacitor is suitable for printed circuit installation.

Important specifications and test

- 1) Climatic category: 55/085/21
- 2) Rated voltage (DC): 50V (63V); 100V; 160V; 250V; 500V; 1KV
- 3) Nominal capacitance:
values in compliance with IEC63, Norm E24 series.
Cr < 10PF Produced with Physical number.
Test conditions: Test voltage: $1 \pm 0.2V_{rms}$
Test frequency: 1MHz (Cr < 1000PF)
1KHz (Cr > 1000PF)
Test temperature: $25 \pm 2^\circ C$
- 4) Capacitance tolerances:
 $\pm 0.25PF$ (C) . $\pm 0.5PF$ (D) . $\pm 5\%$ (J) . $\pm 0.10\%$ (K) .
 $\pm 20\%$ (M)
- 5) Dissipation factor:
Cr > 50PF; $tg \delta \leq 15 \times 10^{-4}$
Cr < 50PF; $tg \delta \leq 1.5 (150/Cr + 7) \times 10^{-4}$
Test conditions: Test voltage: $1 \pm 0.2V_{rms}$
Test frequency: 1MHz (Cr < 1000PF)
1KHz (Cr > 1000PF)
Test temperature: $25 \pm 2^\circ C$
- 6) Insulation resistance: $I_R \geq 10000M\Omega$
Test conditions: $U_R < 100V$ Test voltage no large rated
standard voltage 10V
 $100V \leq U_R < 500V$ Test voltage 100V
 $U_R \geq 500V$ Test voltage 500V
Insulation Resistance behind most test in one minute,
Inside Resistance of measurable modifier accord
with $r \cdot Cr \leq 1S$, Charge current $\leq 50mA$
- 7) Withstand Voltage:
 $2.5U_R$ (CC₁) . $1.5U_R + 500V$ (CC₈₁) No breakdown or are one
minute Inside Resistance of power source accord
with $r \cdot Cr \leq 1S$, Charge current $\leq 50mA$

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