

MODEL RC SERIES

Leadless Surface Mount Chip Resistor Capacitor Network

Up to 16 Elements-8R/8C

NEW PRODUCT



FEATURES

- Thick film on ceramic construction
- Low profile suitable for PCMCIA
- Low inductance leadless design
- Available in two popular sizes: 1206 & 2512
- Nickel barrier terminations

APPLICATIONS

- High speed AC line termination
- EMI/RFI filtering
- Enhanced parallel port (IEEE 1284)

ELECTRICAL

Standard Resistance Range, Ohms	20 to 1Meg
Resistance Tolerance	Standard: M Tol. = $\pm 20\%$ Optional: K Tol. = $\pm 10\%$
Temperature Coefficient of Resistance	$\pm 200\text{ppm}/^\circ\text{C}$
Power Rating, Watts	63mW Per Resistor RC 4: 63mW, RC 6: 250mW Per Package
Capacitance Max., pF	RC4: 120 RC6A: 220 RC6B: 50 RC6D: 100 RC6E: 160
Capacitor Characteristic	X7R
Capacitor Tolerance	$\pm 20\%$ at 1MHz, 25°C
Capacitor Voltage Rating	25V dc
Capacitor Max. ΔC , -55°C to +125°C	$\pm 15\%$
Capacitor Dissipation Factor	2.5% Max.
Capacitor Dielectric Withstanding Voltage	125V dc, 5 sec. 50mA Charge
Capacitor Insulation Resistance	$\geq 10,000$ Megohms
Operating Temperature Range	-25°C to +85°C

Specifications subject to change without notice.

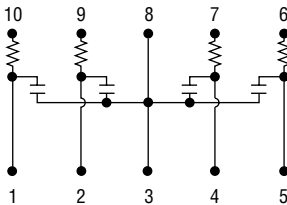
ENVIRONMENTAL

Solderability	MIL-STD-202, Method 208, Cond. B, 95% Coverage
Life	1,000 hours at 70°C ($\pm 3\% + 2 \text{ Ohm}\Delta R$, $\pm 10\% \Delta C$)
Thermal Shock	MIL-STD-202F, Method 107, Cond. A ($\pm 3\% + 2 \text{ Ohm}\Delta R$, $\pm 10\% \Delta C$)
Moisture Resistance	MIL-STD-202F, Method 106 ($\pm 3\% + 2 \text{ Ohm}\Delta R$, $\pm 10\% \Delta C$)

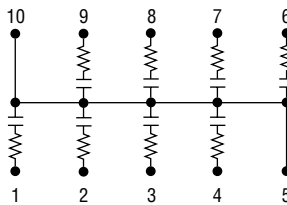
SCHEMATICS

Schematics for RC 6

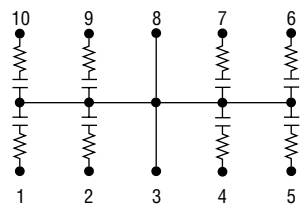
Circuit A



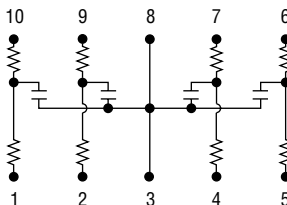
Circuit B



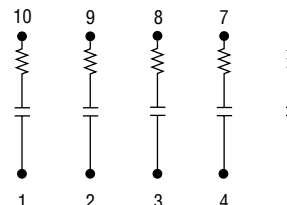
Circuit C



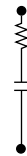
Circuit D



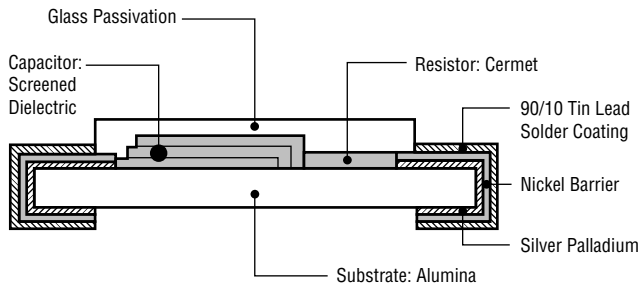
Circuit E



Schematic for RC 4

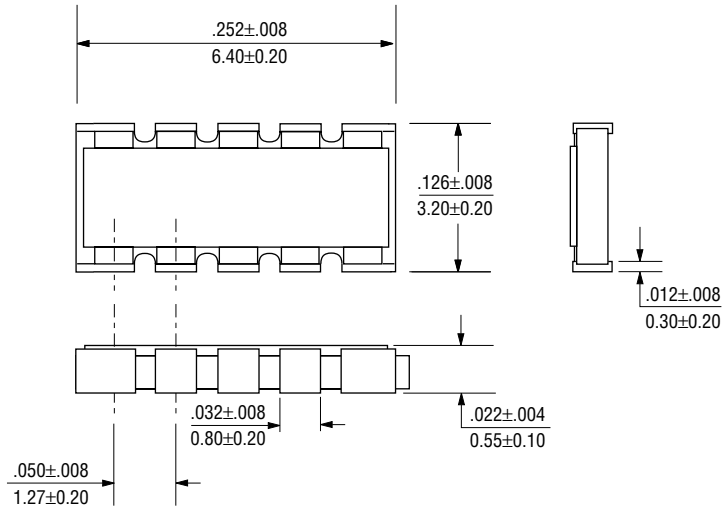


CONSTRUCTION



OUTLINE DIMENSIONS (Inch/mm)

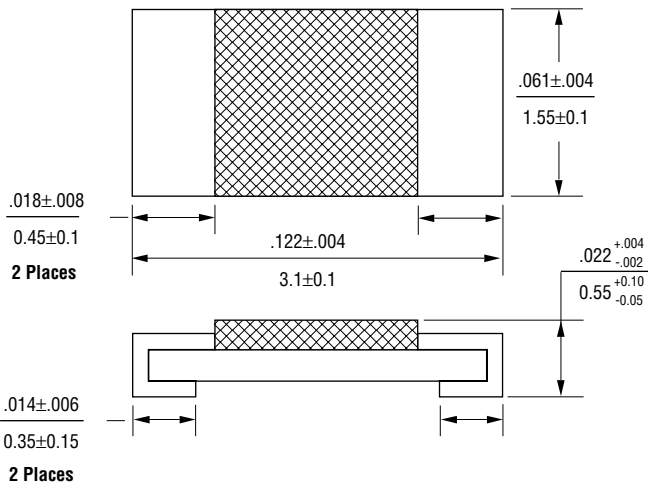
Model RC 6



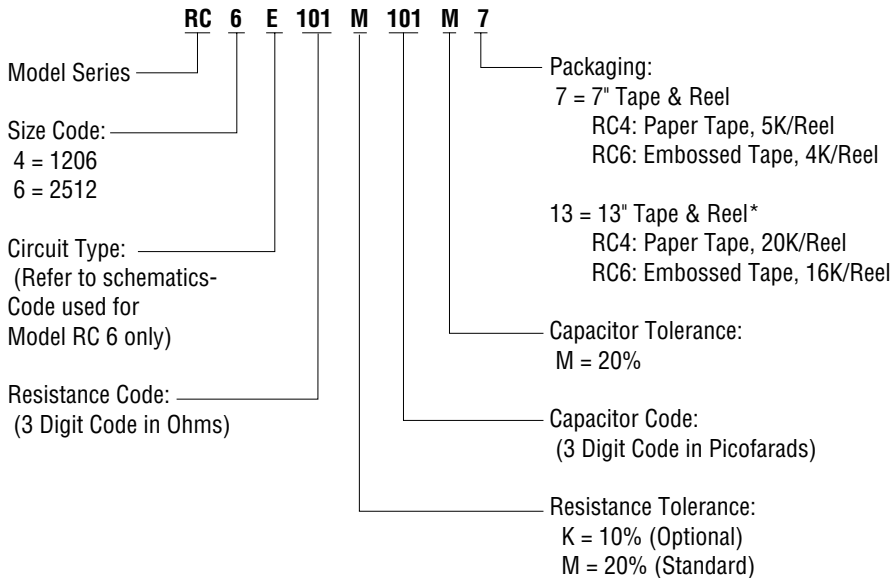
4

OUTLINE DIMENSIONS (Inch/mm)

Model RC 4



ORDERING INFORMATION



PACKAGING (Inch/mm)

