

MODEL RC SERIES

Leadless Surface Mount Chip Resistor/ Capacitor Networks

Up to 16 Elements - 8R/8C



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							±20% (M Tol.) Optional: ±10% (K Tol.), ±5% (J Tol.)
Temperature Coefficient of Resistance							±200ppm/°C
Power Rating, Watts				RC4:			RC6:
				63mW per Resistor			63mW per Resistor
				63mW per Package			250mW per Package
Capacitance, Maximum, pF	RC4:	RC6A:	RC6B:	RC6C:	RC6D:	RC6E:	
	200	220	68	68	220	180	
Capacitor Characteristic							X7R
Capacitor Tolerance							±20% at 1MHz, 25°C
Capacitor Voltage Rating							25 Vdc
Capacitor, Maximum, ΔC, -55°C to +125°C							±15%
Capacitor Dissipation Factor							2.5% Max.
Capacitor Dielectric Withstanding Voltage							125Vdc, 5 sec. 50mA Charge
Capacitor Insulation Resistance							≥10,000 Megohms
Operating Temperature Range							-40°C to +125°C

Specifications subject to change without notice.

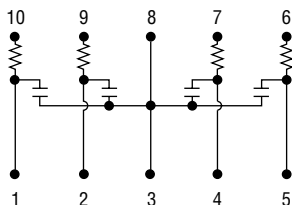
ENVIRONMENTAL

Solderability	MIL-STD-202, Method 208, Cond. B, 95% Coverage
Life	1,000 hours at 70°C ($\pm 3\% + 0.2$ Ohms ΔR , $\pm 10\%$ ΔC)
Thermal Shock	MIL-STD-202F, Method 107, Cond. A ($\pm 3\% + 0.2$ Ohms ΔR , $\pm 10\%$ ΔC)
Moisture Resistance	MIL-STD-202F, Method 106 ($\pm 3\% + 0.2$ Ohms ΔR , $\pm 10\%$ ΔC)

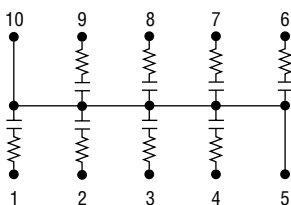
SCHEMATICS

Schematics for RC6

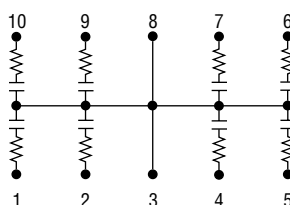
Circuit A



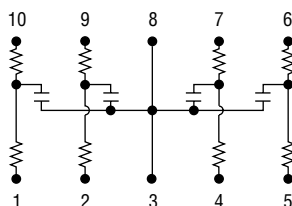
Circuit B



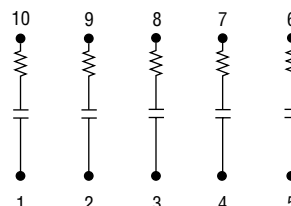
Circuit C



Circuit D



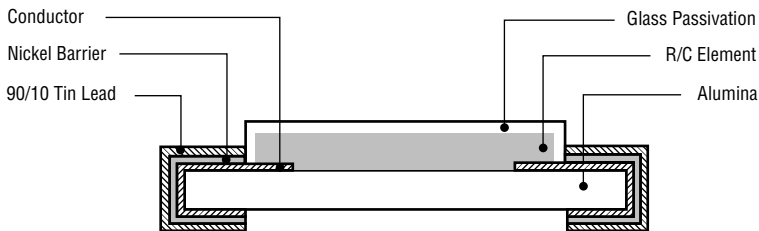
Circuit E



Schematic for RC4

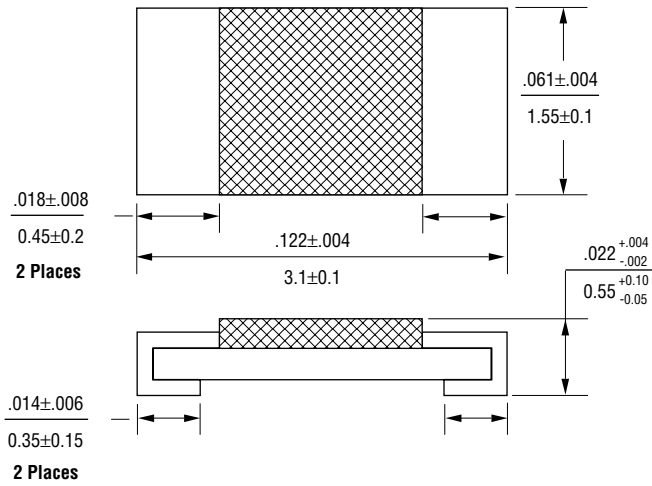


CONSTRUCTION

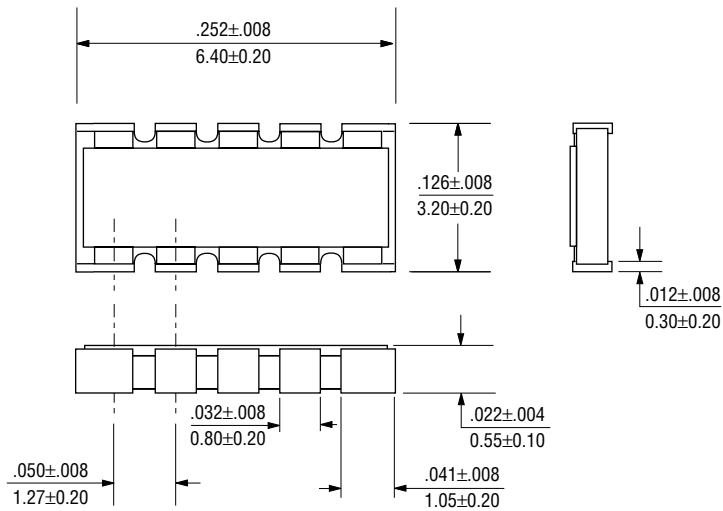


OUTLINE DIMENSIONS (Inch/mm)

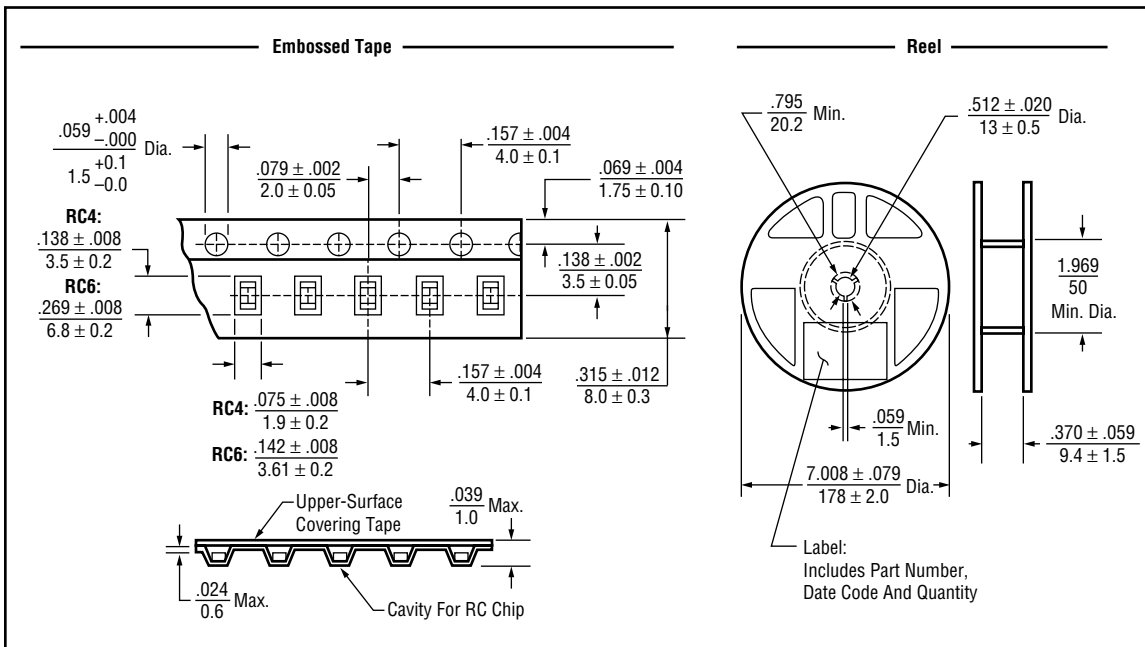
Model RC4



Model RC6



PACKAGING (Inch/mm)



ORDERING INFORMATION

