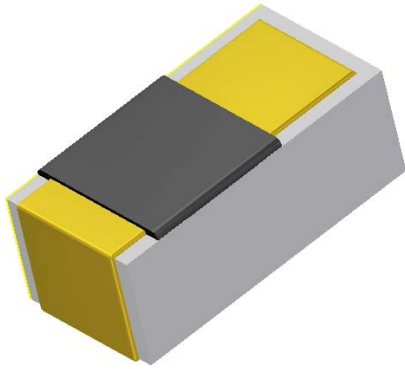


Anaren High Frequency Chip Resistor



Electrical Specifications:

	Room (25 °C)		
	Min.	Typ.	Max.
Resistance (Ω)	47.5	50	52.5
TCR (ppm / °C)	-300		+300
Power (W)			0.5
Operating Temperature (°C)	-55		150
Frequency Range (GHz)	DC		5
Return Loss (dB)			10

Specifications subject to change with out notice.

Features:

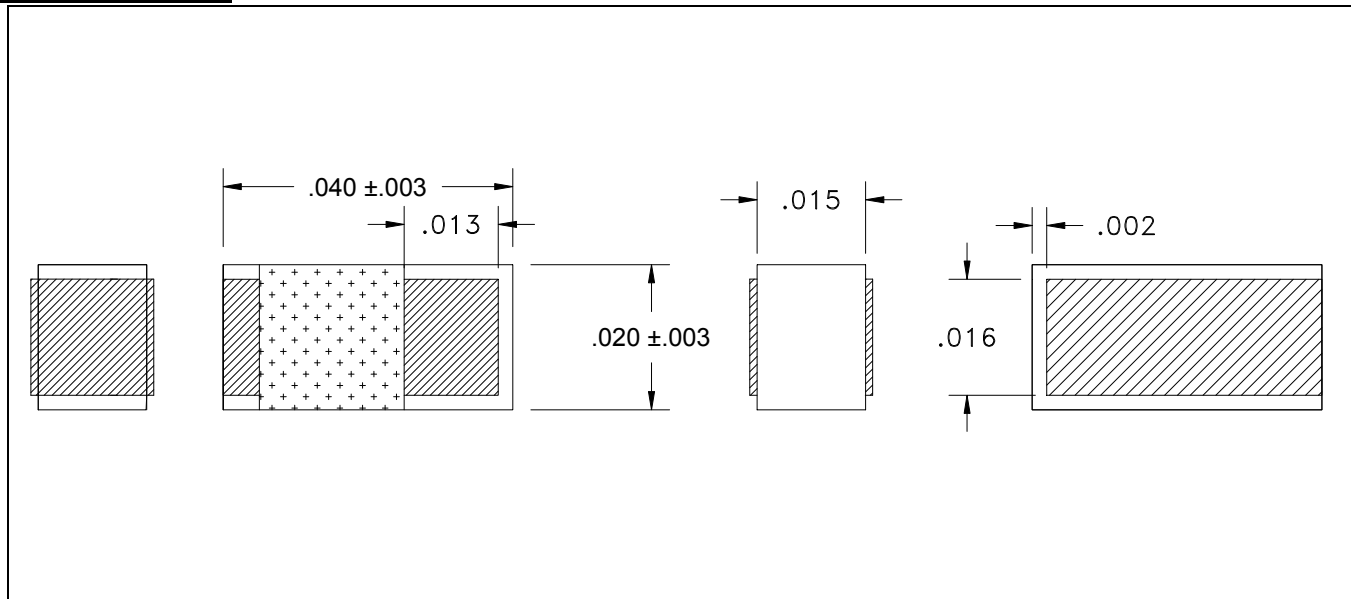
- RF performance up to 5 GHz
- 50 Ω
- 15 mil 96 % Alumina
- Non-Nichrome Resistive Element
- Terminals: Gold
- Epoxy Attach
- Wire Bondable
- Tolerance 5%

Description

- Thick Film single wrap chip resistor with gold terminals.
- Gold terminals are wire bondable.
- Base Material is 15 mil 96% Alumina.

Outline Drawing

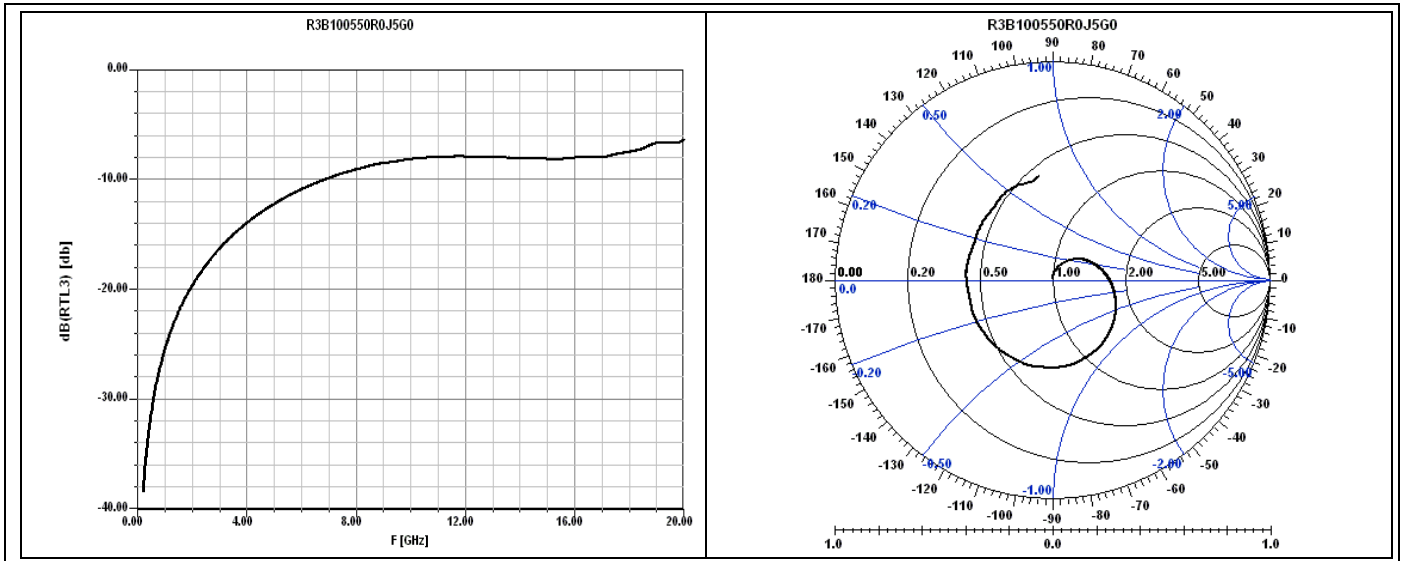
Dimensions shown in inches ±0.002 unless otherwise shown



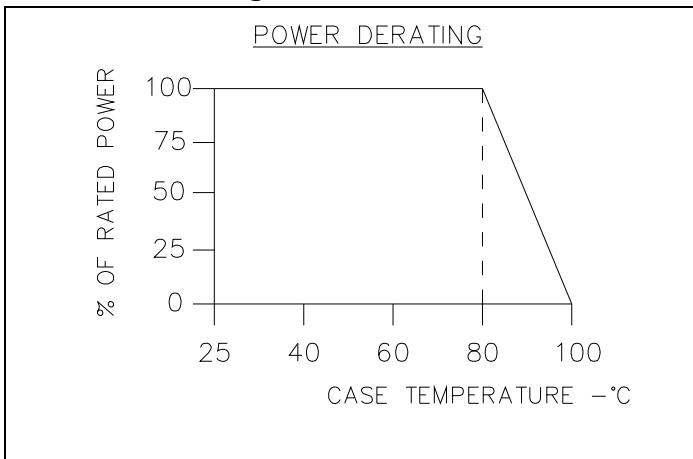
R3B100550R0J5G0 (097) Rev B



Performance Specifications:

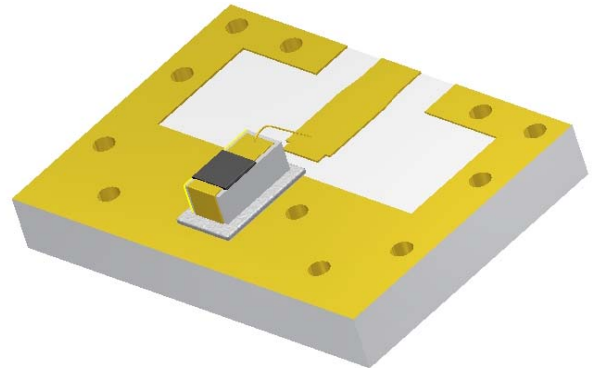


Power De-rating:



Suggested Mounting:

Epoxy mount bottom side to circuit.
Gold terminal is wire bondable



Description of Standard Tests as specified by options in Part Number

Parameter	Change in Resistance		Test Method
	Limit	Typical	
Resistance	± 5%	50 Ω	Measurement at 25°C
T.C.R (ppm / °C)	± 300	165	Measurement at +25°C to +55°C and +25°C to +125°C
Overload (Short Time)	±2%	±0.5%	Rated Voltage x 2.5 for 5 seconds
Thermal Shock	±0.5%	±0.3%	-55°C (30 minutes), +125°C (30 minutes), 100 cycles
Life Test	±3%	±1%	70°C ± 2°C, 1000 hours, 1.5 hr ON, 0.5 hr OFF cycle
High Temperature Exposure	±1%	±0.3%	+125°C, 1000 hours +155°C, 1000 hours

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Toll Free: (800) 544-2414
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