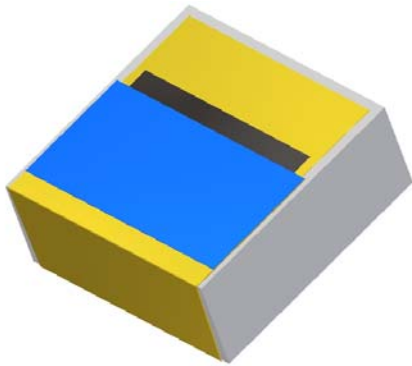


### Anaren High Frequency Chip Resistor



#### Electrical Specifications:

	Room (25 °C)		
	Min.	Typ.	Max.
Resistance (Ω)	49	50	51
TCR (ppm / °C)	-200		+200
Power (W)			1.25
Operating Temperature (°C)	-55		150
Frequency Range (GHz)	DC		12
Return Loss (dB)			10

Specifications subject to change with out notice.

#### Features:

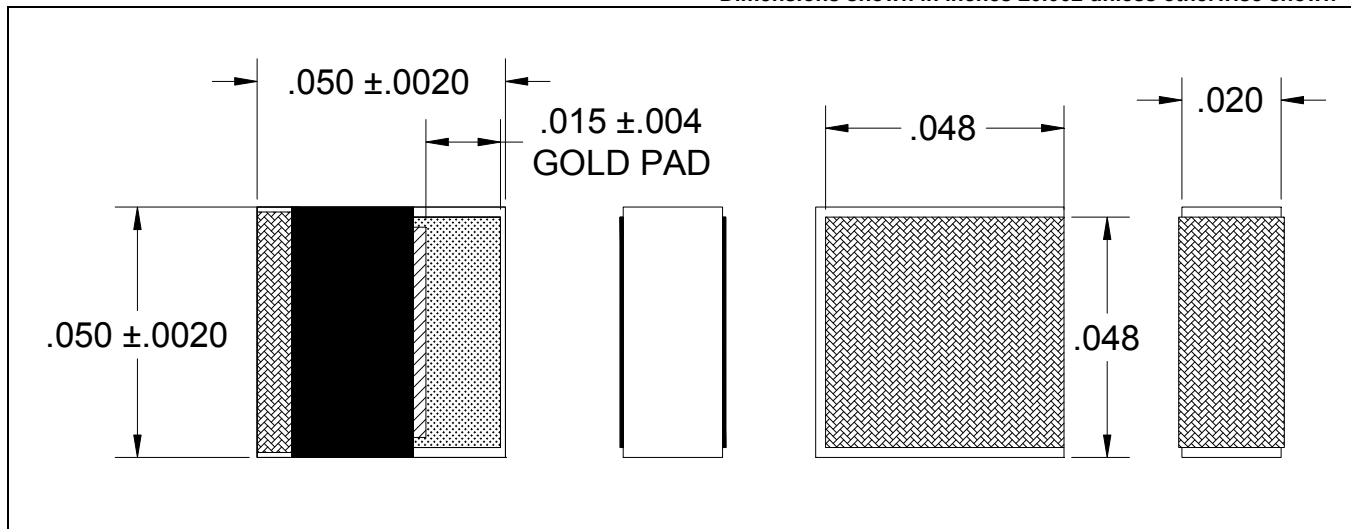
- RF Performance up to 12 GHz
- 50 Ω
- 20 mil 96 % Alumina
- Non-Nichrome Resistive Element
- Terminals: Gold Plate over Nickel
- Epoxy Mount
- Wire Bondable
- Tolerance 2%

#### Description

- Thick Film single wrap chip termination plated with Gold over Nickel.
- Terminals can be wire bonded.
- Base Material is 20 mil 96% Alumina.

#### Outline Drawing

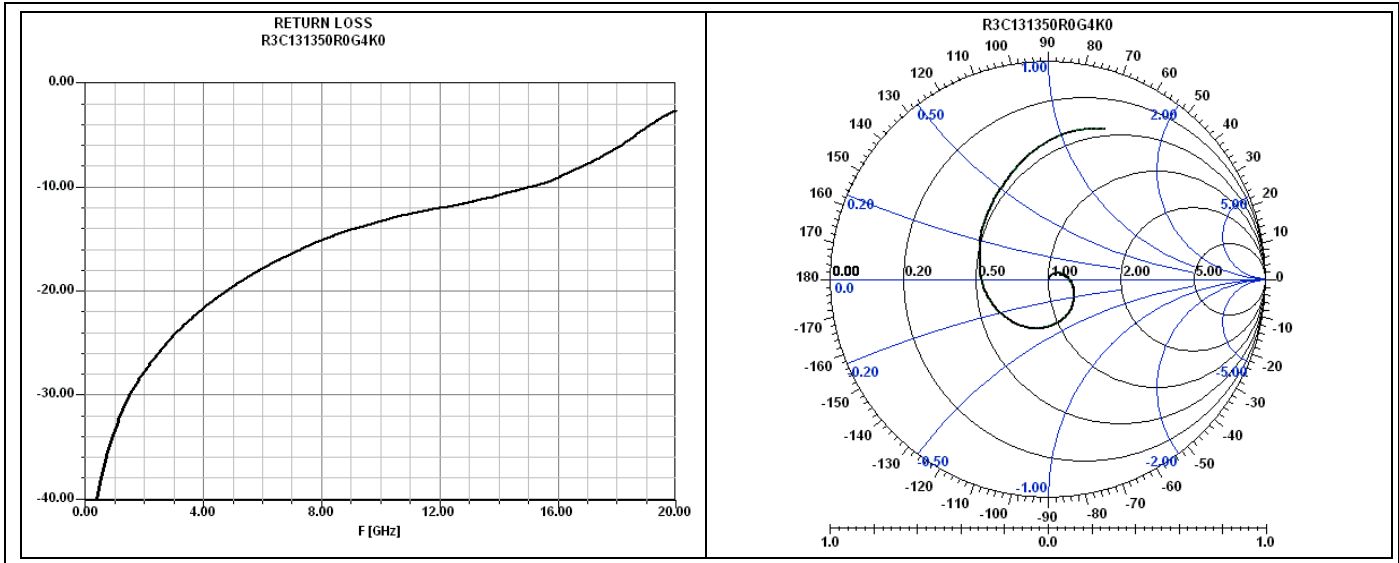
Dimensions shown in inches ±0.002 unless otherwise shown



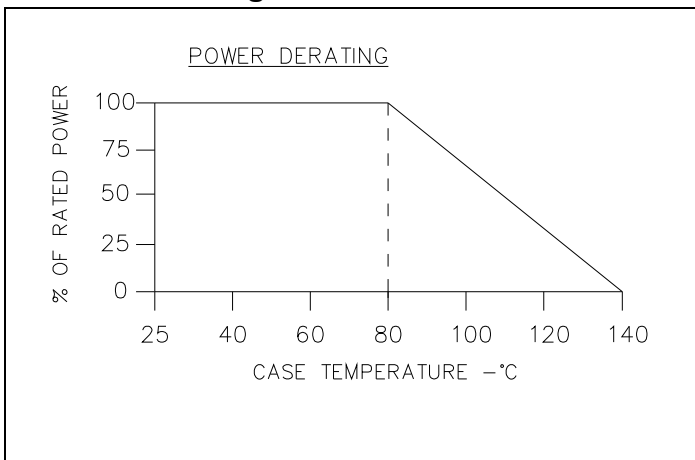
R3C131350R0G4K0 (097) Rev B



## Performance Specifications:

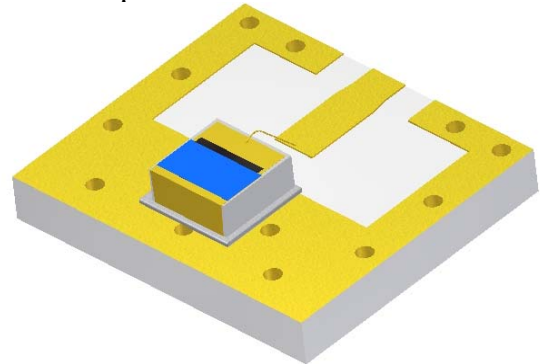


## Power De-rating:



## Suggested Mounting:

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



Description of Standard Tests as specified by options in Part Number			
Parameter	Change in Resistance		Test Method
	Limit	Typical	
Resistance	± 2%	50 Ω	Measurement at 25°C
T.C.R (ppm / °C)	± 200		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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