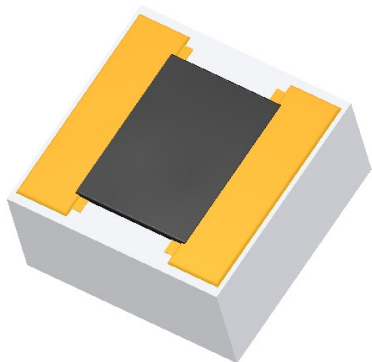


### Anaren High Frequency Chip Resistor



#### Features:

- RF performance to 17 GHz
- 50  $\Omega$
- 25 mil BeO substrate
- Non-Nichrome Resistive Element
- Terminals:  
Gold  
Palladium Silver(Back side)
- Epoxy Mount
- Wire Bondable
- Tolerance 2%

#### Electrical Specifications:

	Room (25 °C)		
	Min.	Typ.	Max.
Resistance ( $\Omega$ )	49	50	51
TCR (ppm / °C)	-300		+300
Power (W)			2.0
Operating Temperature (°C)	-55		150
Frequency Range (GHz)	DC		17
Return Loss (dB)			10

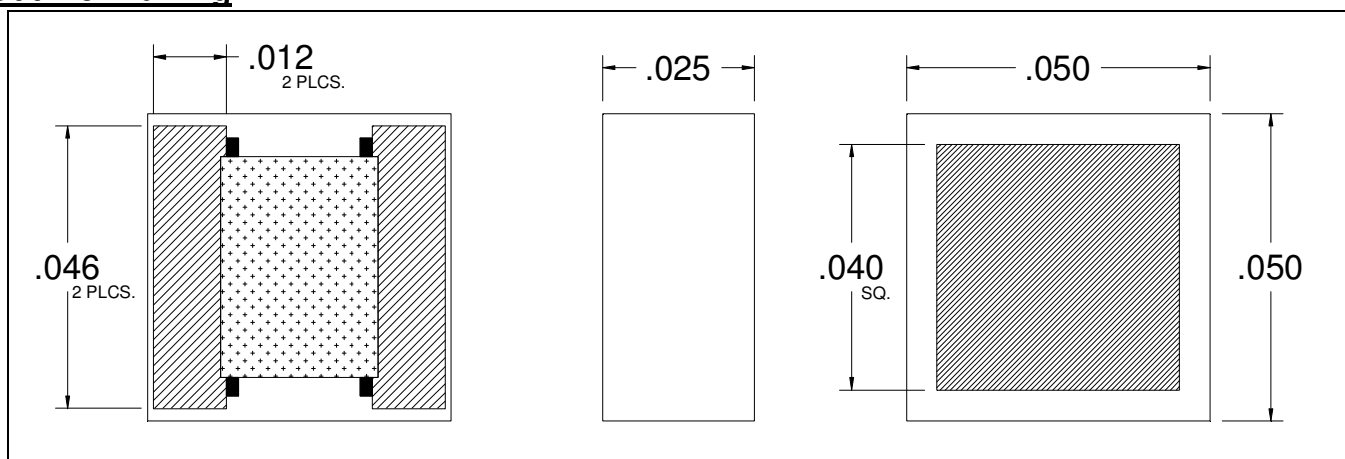
Specifications subject to change with out notice.

#### Description

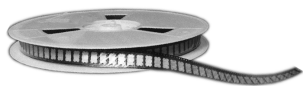
- Thick Film chip resistor with thick film gold terminals.
- Gold terminals can be wire bonded.
- The back side of the resistor has a palladium silver isolated pad.
- Base Material is 25 mil BeO.
- Other values available.

#### Outline Drawing

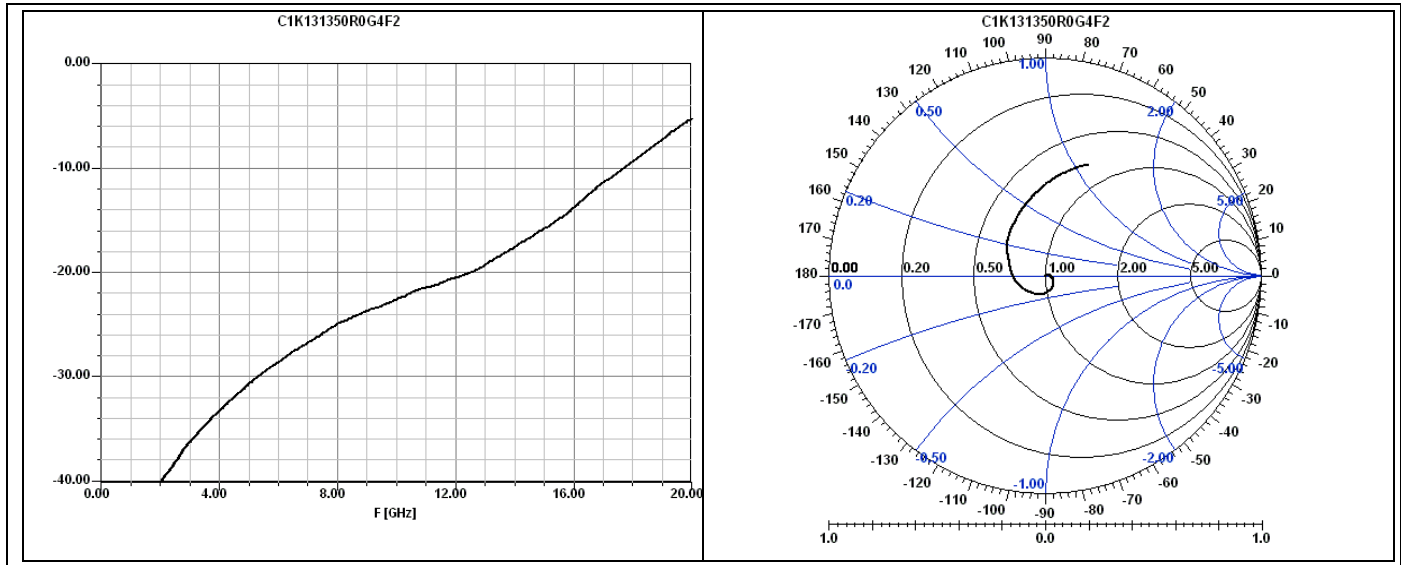
Dimensions shown in inches  $\pm 0.002$  unless otherwise shown



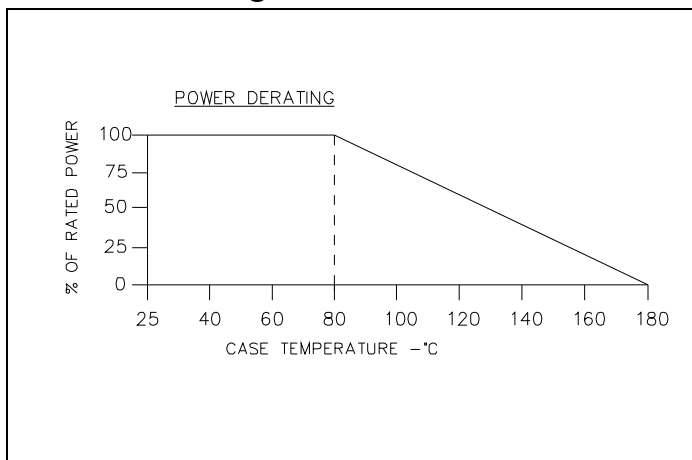
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## Performance Specifications:



## Power De-rating:

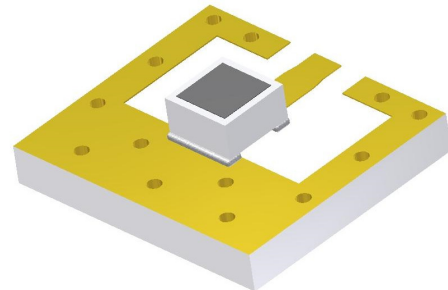


## Suggested Mounting:

For best RF performance, mount with epoxy, resistive side down.

For best power performance, epoxy or solder mount with backside pad down

Gold terminals are wire bondable.

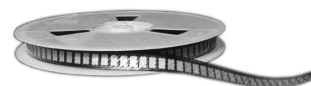


Description of Standard Tests as specified by options in Part Number			
Change in Resistance			
Parameter	Limit	Typical	Test Method
Resistance	± 2%	50 Ω	Measurement at 25°C
T.C.R (ppm / °C)	± 300		Measurement at +25°C to -55°C and +25°C to +125°C
Overload (Short Time)	±2%	±0.5%	Rated voltage x 2.5 for 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  
Europe: +44 2392-232392

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