

# Features:

- RF Performance up to 16 GHz
- 50 Ω
- 10 mil 96 % Alumina
- Non-Nichrome Resistive Element
- Terminals: Au/Sn Solder over gold
- Solder Mount
- Tolerance 2%

### **Outline Drawing**

# Anaren High Frequency Chip Resistor

### **Electrical Specifications:**

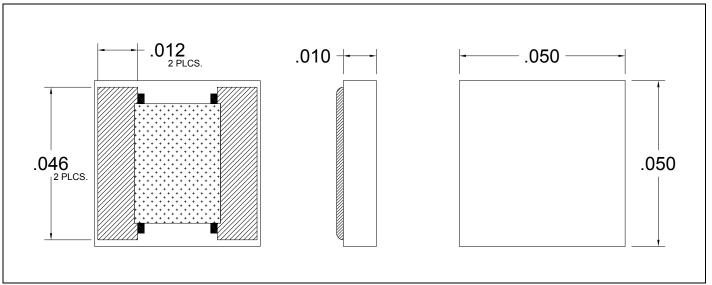
	R	Room (25 °C)		
	Min.	Тур.	Max.	
Resistance (Ω)	49	50	51	
TCR (ppm / °C)	-200		+200	
Power (W)			1.0	
Operating Temperature (° C)	-55		150	
Frequency Range (GHz)	DC		16	
Return Loss (dB)			10	

Specifications subject to change with out notice.

#### **Description**

- Thick Film chip resistor with 80/20 Au/Sn solder over thick film gold terminals.
- Base Material is 10 mil 96% Alumina.
- Other values available.

#### Dimensions shown in inches ±0.002 unless otherwise shown



C1A131350R0G4A2 (097) Rev B



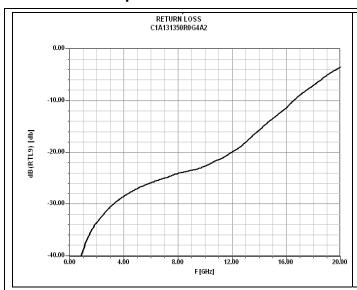


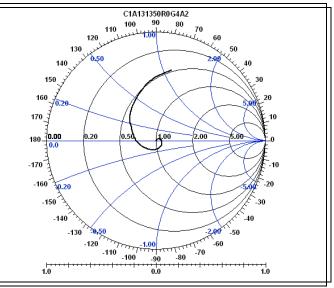
Available on Tape and Reel For Pick and Place Manufacturing.

USA/Canada: (315) 432-8909 Toll Free: (800) 544-2414 Europe: +44 2392-232392

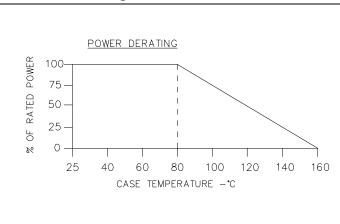


### **Performance Specifications:**

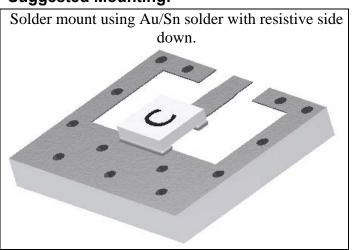




## **Power De-rating:**



# **Suggested Mounting:**



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)	± 200	60	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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