

Features:

- RF performance to 18 GHZ
- 50 Ω
- 10 mil 96 % Alumina
- Non-Nichrome Resistive Element
- Terminals: Gold
- Epoxy Mount
- Wire Bondable
- Tolerance 5%

Anaren High Frequency Chip Resistor

Electrical Specifications:

	R	Room (25 °C)		
	Min.	Тур.	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		18	
Return Loss (dB			10	

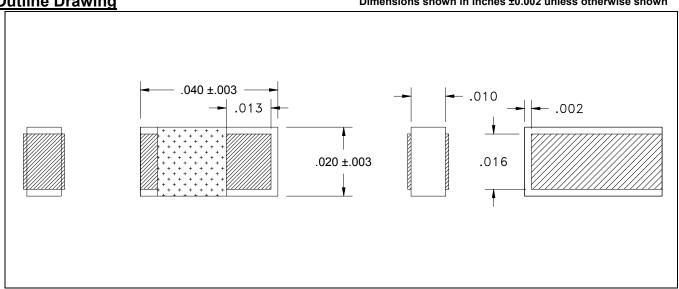
Specifications subject to change with out notice.

Description

- Thick Film single wrap chip resistor with gold terminals.
- Terminals can be wire bonded.
- Base Material is 10 mil 96% Alumina.

Outline Drawing

Dimensions shown in inches ±0.002 unless otherwise shown



R3A100550R0J5G0 (097) Rev B



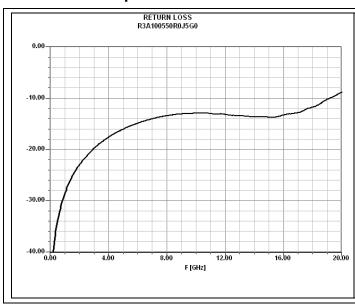


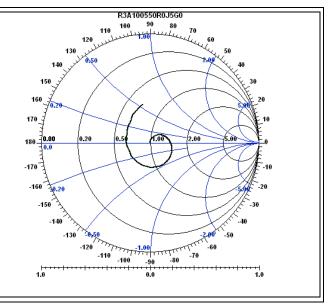
Available on Tape and Reel For Pick and Place Manufacturing.

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

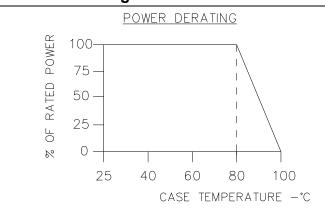


Performance Specifications:

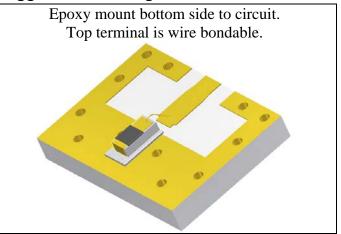




Power De-rating:



Suggested Mounting:



Description of Standard Tests as specified by options in Part Number				
	Change in Resistance			
Parameter	Limit	Typical	Test Method	
Resistance	±52%	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	

R3A100550R0J5G0 (097) Rev B

USA/Canada: (3° Toll Free: (80° Europe: +44

(315) 432-8909 (800) 544-2414 +44 2392-232392 Available on Tape and Reel For Pick and Place Manufacturing.

