

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		17
Return Loss (dB)			10

Specifications subject to change with out notice.

Features:

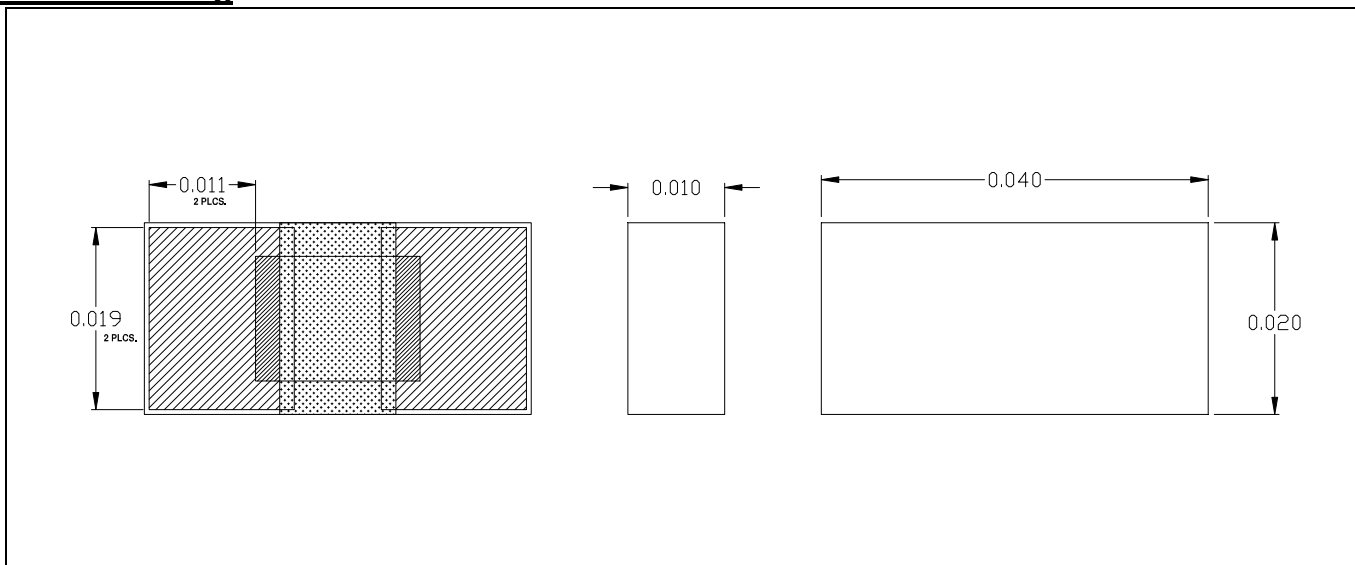
- RF Performance up to 17 GHz
- 50 Ω
- 10 mil 96 % Alumina
- Non-Nichrome Resistive Element
- Terminals: Palladium Silver
- Solder Attach
- Tolerance 5%

Description

- Thick Film chip resistor with Palladium Silver terminals.
- Base Material is 10 mil 96% Alumina.
- Other values available.

Outline Drawing

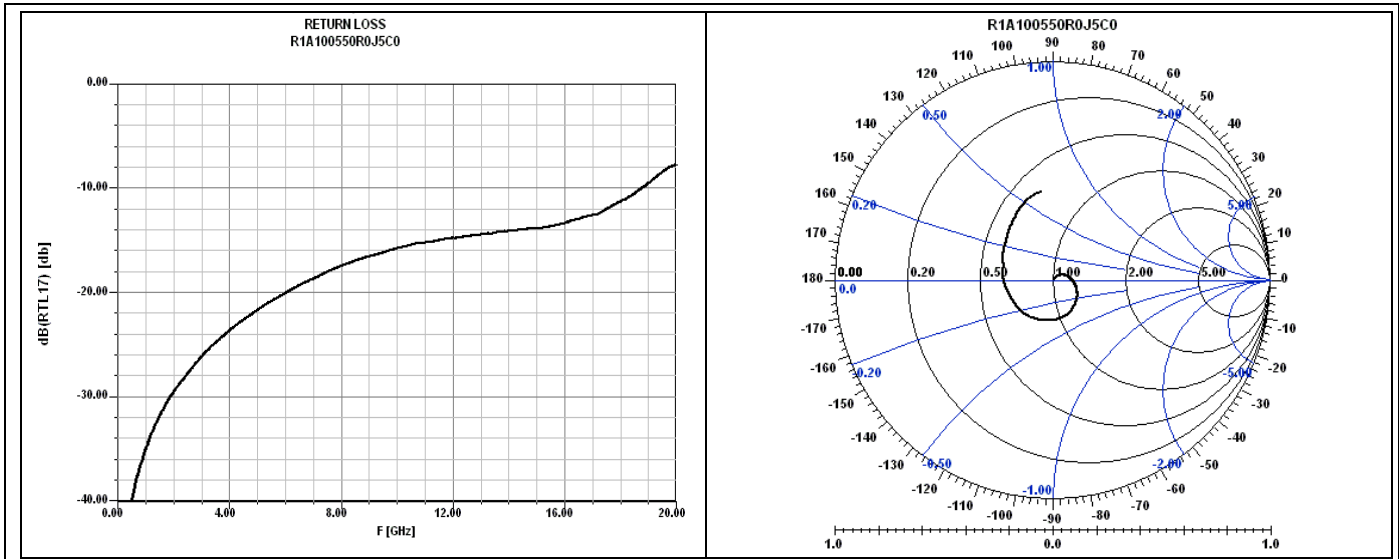
Dimensions shown in inches ± 0.002 unless otherwise shown



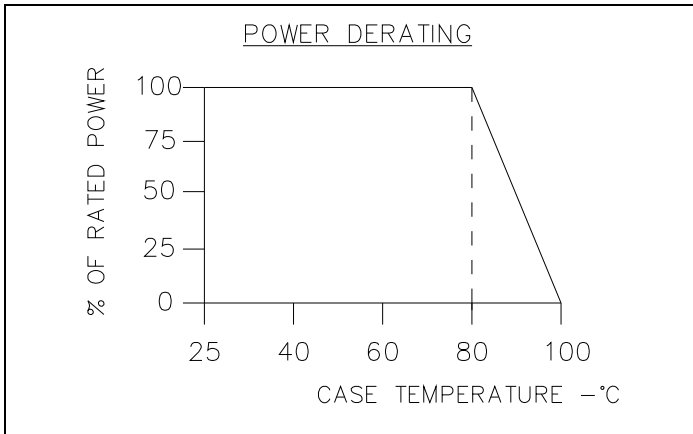
R1A100550R0J5C0 (097) Rev B



Performance Specifications:

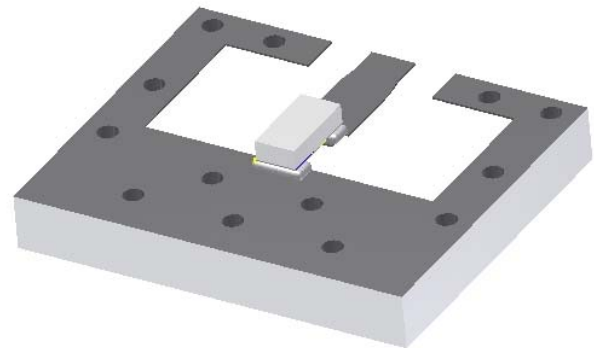


Power De-rating:



Suggested Mounting:

Solder mount using SAC solder with resistive side down



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	65	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

R1A100550R0J5C0 (097) Rev B

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

Available on Tape and Reel For Pick and Place Manufacturing.



What'll we think of next?™

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [High Frequency/RF Resistors](#) category:

Click to view products by [Anaren](#) manufacturer:

Other Similar products are found below :

[800-50T-S](#) [10-100RV-S](#) [E250N50X4](#) [250-100RM-S](#) [250-50RM-S](#) [150-100RL-S](#) [A4B50X1A](#) [10-50TV](#) [G150N50W4B](#) [FC1206E8450FGW0](#)
[R1A06031000G5AR](#) [060120A25X50-2](#) [C45N50Z4](#) [A5B50X1A](#) [100200-4Z50-2](#) [C150N50Z4](#) [30-100R](#) [60-50TP-S](#) [100N50TW](#)
[E200N50X4](#) [250375-4Z50-2](#) [60-50TPR](#) [MIC1000AFLMGNHWS](#) [FT10301N0050J](#) [CS12010T0100GTR](#) [C8A50Z4B](#) [CW12010T0100GTR](#)
[FR10515N0050JBK](#) [FR10515N0100JBK](#) [FR10800N0100JBK](#) [FT10517N0050J01](#) [FT10517N0050JBK](#) [FT10800N0050J02](#)
[LT11020T0050JBK](#) [LT12010T0050JBK](#) [250375-4X50-2](#) [30-100R-S](#) [400-50T](#) [40-50TPP](#) [60-50TP](#) [C10A50Z4](#) [C16A50Z4](#) [C1A50Z4](#)
[C50A50Z4](#) [G250N50W4](#) [G450N50W4](#) [J100N50X4B](#) [K100N50X4B](#) [R2B130850R0J4J0](#) [R3A100550R0J5G0](#)