COAXIAL

Termination

ANNE-50L+

50Ω DC to 12000 MHz SMA-Male

FEATURES

- Wideband Coverage, DC to 12000 MHz
- Rugged Construction

Generic photo used for illustration purposes only

Model No.	ANNE-50L+
Case Style	LL561
Connectors	SMA-Male

+RoHS Compliant
The +Suffix identifies RoHS Compliance.
See our website for methodologies and qualifications

APPLICATIONS

- Cellular Communications
- Satellite Communications

ELECTRICAL SPECIFICATIONS T_{AMB}=25°C

Parameter	Condition (MHz)	Min.	Typ.	Max.	Unit
Frequency Range		DC		12000	MHz
Impedance			50		Ohms
Return Loss	DC- 4000	26	-	-	dB
	4000 - 8000	21	-	-	
	8000 - 12000	18	-	-	
Input Power[1]		-	-	1.0	W

1. To 100°C, derate linearly to 325 mW at 100°C.

ABSOLUTE MAXIMUM RATINGS[1]

Parameter	Ratings
Operating Temperature	-55 °C to +100 °C
Storage Temperature	-55 °C to +100 °C

1. Permanent damage may occur if any of these limits are exceeded.

REV. E
ECO-016342
ANNE-50L+
MCL NY
230106

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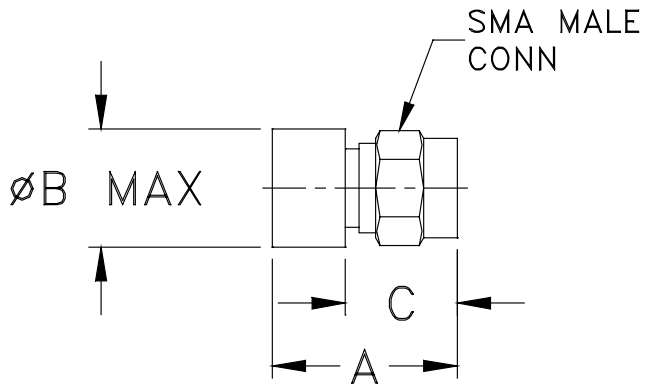
OUTLINE DRAWING



OUTLINE DIMENSIONS (Inch / mm)

A	B	C	wt
0.58	0.37	0.35	grams
14.73	9.40	8.89	4.0

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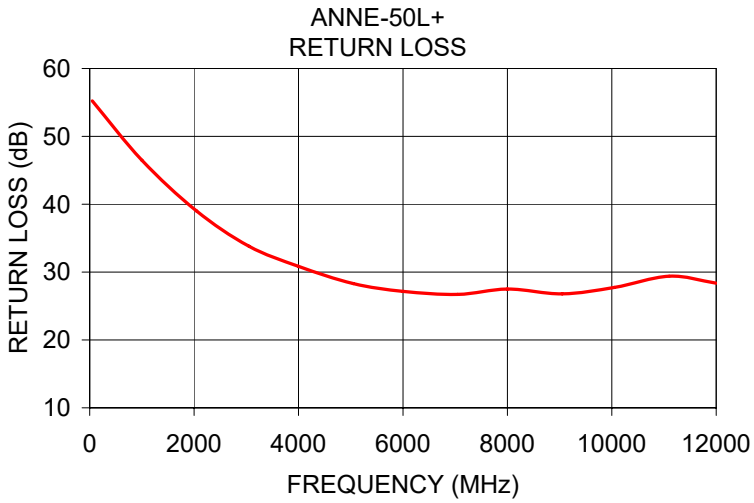
TYPICAL PERFORMANCE DATA

Frequency (MHz)	Return Loss (dB)
50	55.22
1000	46.47
2050	39.00
3050	33.81
4000	30.84
5050	28.31
6000	27.16
7050	26.71
8000	27.51
9050	26.79
10050	27.74
11100	29.40
12000	28.36



NOTES

A. Performance and quality attributes and conditions not expressly stated in this specification document are intended to be excluded and do not form a part of this specification document.
B. Electrical specifications and performance data contained in this specification document are based on Mini-Circuit's applicable established test performance criteria and measurement instructions.
C. The parts covered by this specification document are subject to Mini-Circuits standard limited warranty and terms and conditions (collectively, "Standard Terms"); Purchasers of this part are entitled to the rights and benefits contained therein. For a full statement of the standard terms and the exclusive rights and remedies thereunder, please visit Mini-Circuits' website at www.minicircuits.com/terms/viewterm.html

Termination 50 Ω , SMA

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Typical Performance Data

FREQUENCY (MHz)	RETURN LOSS (dB)
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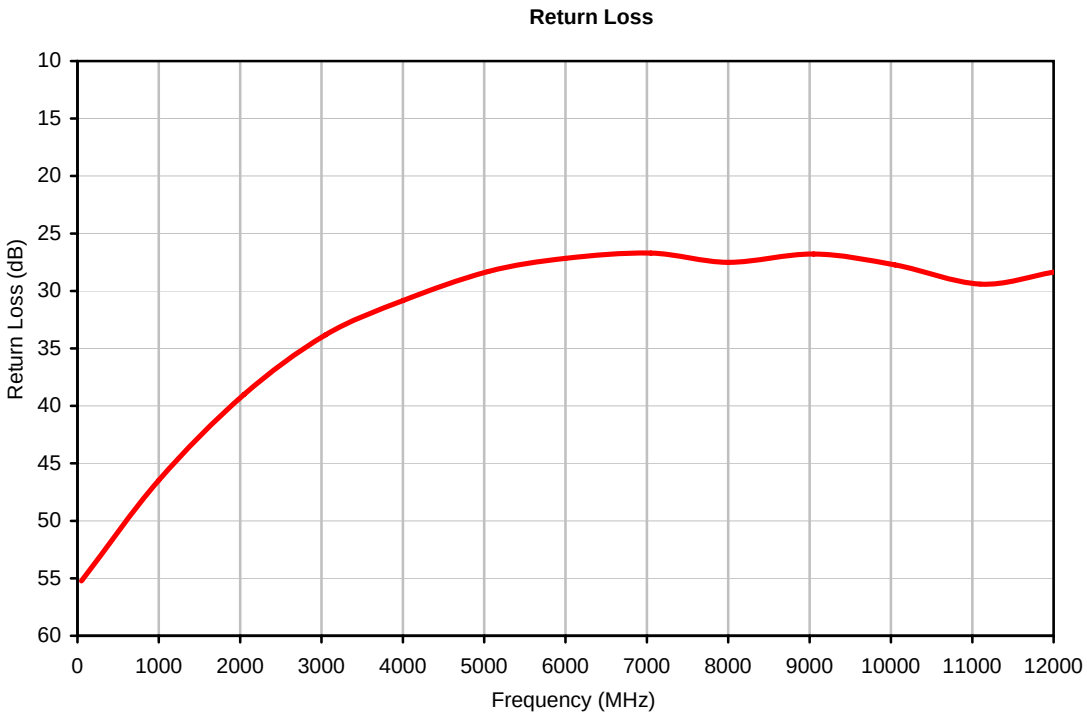
4000	30.84
5050	28.31
6000	27.16
7050	26.71
8000	27.51
9050	26.79
10050	27.74
11100	29.40
12000	28.36

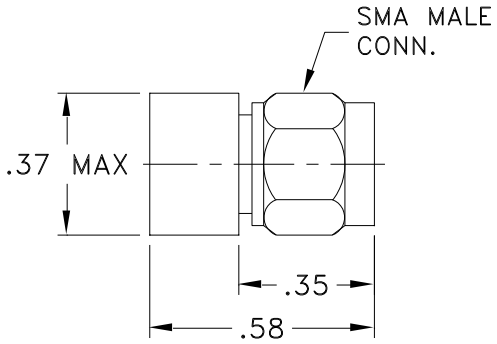
Typical Performance Curves



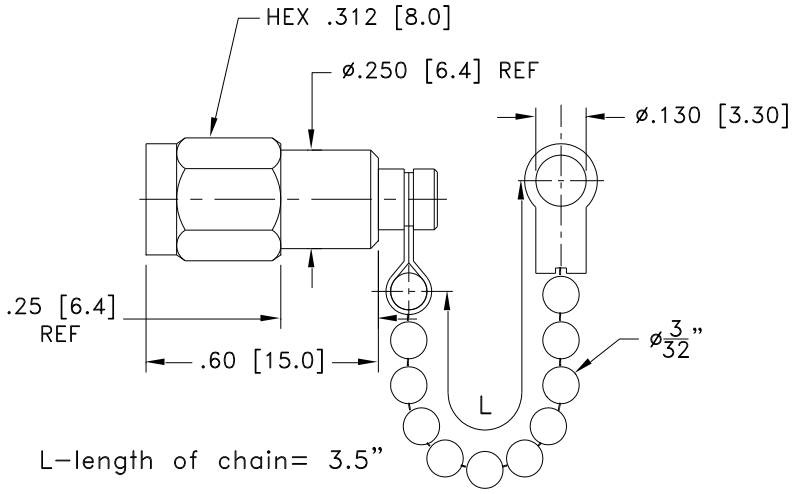
Case Style LL

Outline Dimensions

LL561



WITHOUT CHAIN



WITH CHAIN

CASE #	WT GRAMS
LL561	4.0
LL561 WITH CHAIN	5.00

Dimensions are in inches (mm). Tolerances: 2Pl. ± .03; 3Pl. ± .015

Notes:

1. Case Material: Brass.
2. Case Finish: Gold plate.
3. For polarity of connector refer individual model data sheet.

Mini-Circuits

Environmental Specifications ENV28

All Mini-Circuits products are manufactured under exacting quality assurance and control standards, and are capable of meeting published specifications after being subjected to any or all of the following physical and environmental test.

Specification	Test/Inspection Condition	Reference/Spec
Operating Temperature	-55° to 100°C Ambient Environment	Individual Model Data Sheet
Storage Temperature	-55° to 100° C Ambient Environment	Individual Model Data Sheet
Barometric Pressure	100,000 Feet	MIL-STD-202, Method 105, Condition D
Humidity	90% RH, 65°C Units may require bake-out after humidity to restore full performance.	MIL-STD-202, Method 103
Thermal Shock	-65° to 125°C, 5 cycles	MIL-STD-202, Method 107, Condition B
Vibration (High Frequency)	20g peak, 10-2000 Hz, 12 times in each of three perpendicular directions (total 36)	MIL-STD-202, Method 204, Condition D
Mechanical Shock	100g, 6ms sawtooth, 3 shocks each direction 3 axes (total 18)	MIL-STD-202, Method 213, Condition I