



Mini-Circuits

COAXIAL

Termination

ANNE-50X+

50Ω DC to 20 GHz SMA-Male

FEATURES

- Ultra-Wideband, DC to 20 GHz
- Return Loss, 40 dB typ. up to 4 GHz and 30 dB typ. 10 to 20 GHz
- Rugged Construction



Generic photo used for illustration purposes only

APPLICATIONS

- Cellular Communications
- Satellite Communications
- Test Set-up
- Defense & Radar

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

+RoHS Compliant

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

ELECTRICAL SPECIFICATIONS $T_{AMB}=+25^{\circ}\text{C}$

Parameter	Condition (GHz)	Min.	Typ.	Max.	Unit
Frequency Range		DC	—	20	GHz
Impedance		50			Ohms
Return Loss	DC - 8	30	—	—	dB
	8 - 12	26	—	—	
	12 - 18	24	—	—	
	18 - 20	22	—	—	
Input Power ¹	DC - 20	—	—	1	W

*At +50°C, derate linearly to 350mW at +100°C.

ABSOLUTE MAXIMUM RATINGS¹

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. F
ECO-016342
ANNE-50X+
MCL NY
240812





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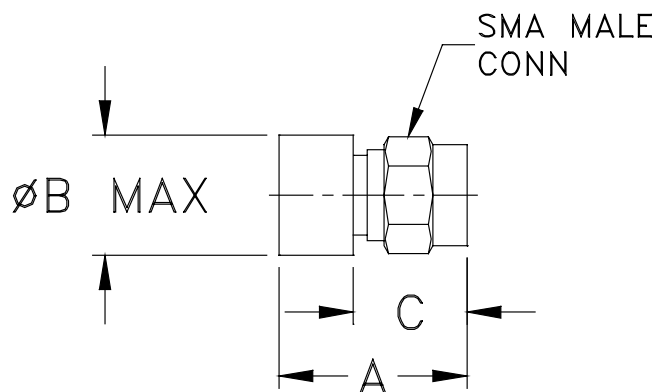
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OUTLINE DRAWING



OUTLINE DIMENSIONS (Inch mm)

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



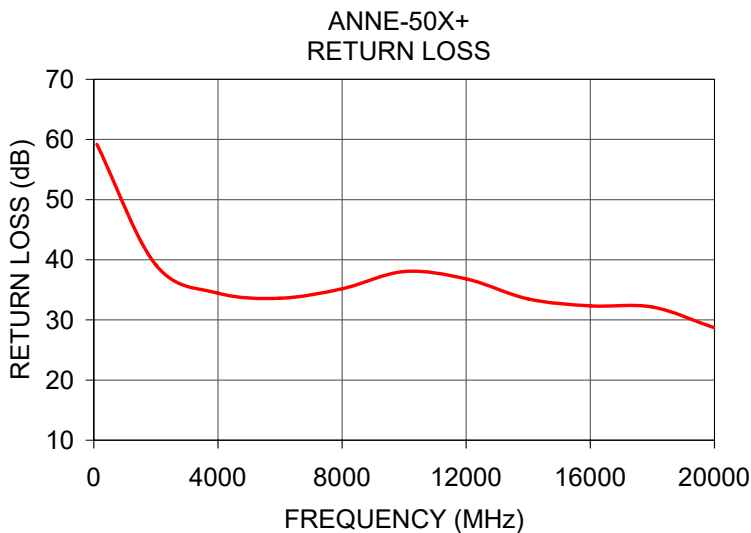
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TYPICAL PERFORMANCE DATA

Frequency (MHz)	Return Loss (dB)
100	51.34
2000	39.76
4000	34.90
6000	34.04
8000	35.38
10000	36.62
12000	34.63
14000	30.99
16000	28.79
18000	27.29
20000	24.54

**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

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