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

Model No.	ANNE-50X+
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
- Test Set-up
- Defense & Radar

ELECTRICAL SPECIFICATIONS T_{AMB}=+25°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 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. F
ECO-016342
ANNE-50X+
MCL NY
240812

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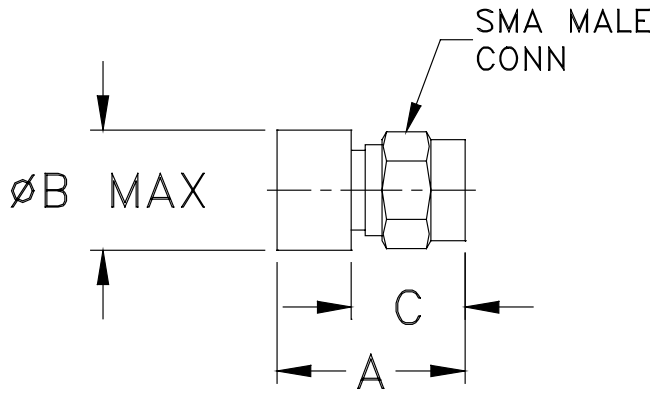
OUTLINE DRAWING



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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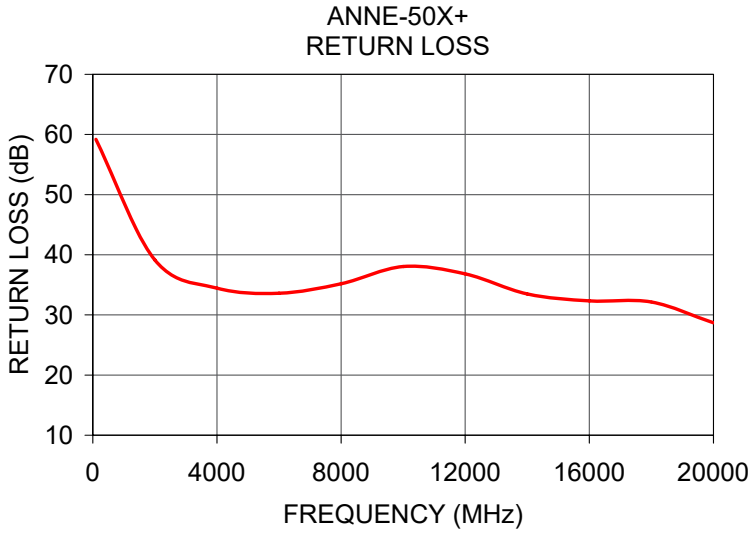
TYPICAL PERFORMANCE DATA

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