

Termination SMA

50Ω

DC to 18000 MHz

ANNE-50+



Generic photo used for illustration purposes only

CASE STYLE: LL561

Connectors Model
SMA-Male ANNE-50+

+RoHS Compliant

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

Maximum Ratings

Operating Temperature -55°C to 100°C

Storage Temperature -55°C to 100°C

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

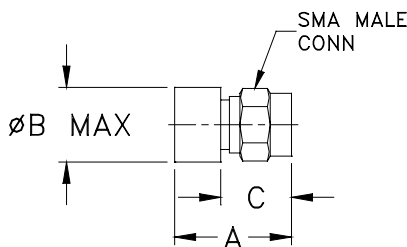
Features

- wideband coverage, DC to 18000 MHz
- return loss, 35 dB typ. up to 4000 MHz and 27 dB typ. 10000 to 18000 MHz
- rugged construction

Applications

- cellular communications
- satellite communications
- test set-up
- defense & radar

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 |



To order ANNE-50+ with 3½ length chain and end coupling with .130" diameter mtg. hole, use part no. ANNE-50CN+

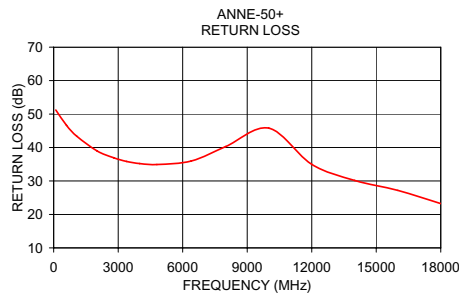
Electrical Specifications T_{AMB}=25°C

| FREQUENCY (MHz) | IMPEDANCE (OHMS) | RETURN LOSS (dB) MIN. | | | | POWER RATING* (W) |
|-----------------|------------------|-----------------------|---------|----------|-----------|-------------------|
| | | DC-4 GHz | 4-8 GHz | 8-12 GHz | 12-18 GHz | |
| DC-18000 | 50 | 30 | 27 | 23 | 21 | 1.0 |

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

Typical Performance Data

| Frequency (MHz) | Return Loss (dB) |
|-----------------|------------------|
| 100 | 51.21 |
| 596 | 46.64 |
| 1072 | 43.38 |
| 2024 | 38.95 |
| 2800 | 36.93 |
| 3400 | 35.82 |
| 4000 | 35.20 |
| 4800 | 34.92 |
| 6400 | 35.97 |
| 8000 | 40.29 |
| 10000 | 45.79 |
| 12000 | 34.97 |
| 14000 | 30.16 |
| 16000 | 27.19 |
| 18000 | 23.24 |



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/MCLStore/terms.jsp



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