COAXIAL

Termination

BMA-TERM50+

50Ω DC to 18 GHz BMA Male

KEY FEATURES

- Broadband Operation to 18 GHz
- Excellent VSWR, 1.3 Max
- Input Power Handling, 1 W CW
- BMA Male Connector



Generic photo used for illustration purposes only

PRODUCT OVERVIEW

The Mini-Circuits BMA-TERM50+ is a 50Ω RF termination designed for operation through 18 GHz with 1 W power handling. The unit features a rugged BMA male interface with a gold-plated brass center contact and passivated stainless steel body for reliable operation and durability. A matched load at an unused port absorbs incident RF power, reducing unwanted reflections and helping maintain system performance. It is well suited for RF and microwave systems, test and measurement equipment, and applications involving couplers, circulators, switches, and other components where a reliable, matched load is required.

ELECTRICAL SPECIFICATIONS AT +25 °C, Z_0 = 50Ω

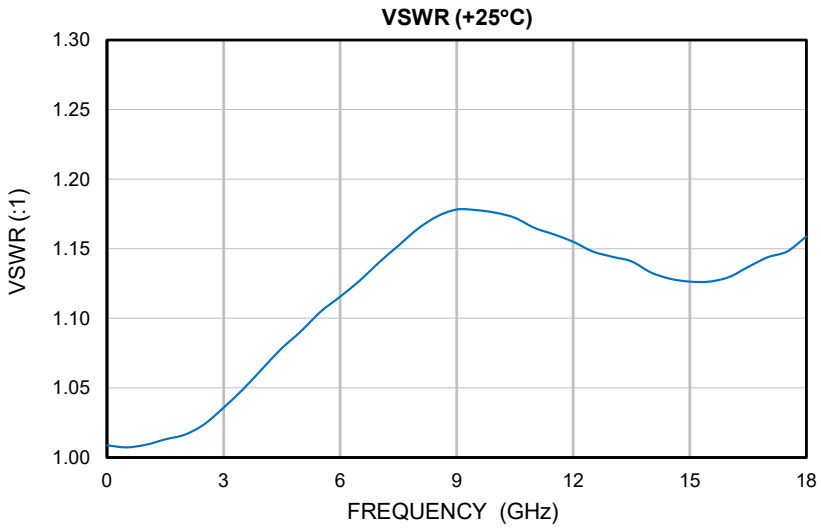
Parameter	Frequency (GHz)	Min.	Typ.	Max.	Units
Frequency Range	–	DC	–	18	GHz
Impedance	–		50		Ohms
Return Loss	DC– 6	19.1	–	–	dB
	6–12	19.1	–	–	
	12–18	19.1	–	–	
Input Power	DC–18	–	–	1.0	W

ABSOLUTE MAXIMUM RATINGS[2]

Operating Case Temperature	-45 °C to +120 °C
Storage Temperature	-55 °C to +120 °C

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

TYPICAL PERFORMANCE GRAPHS



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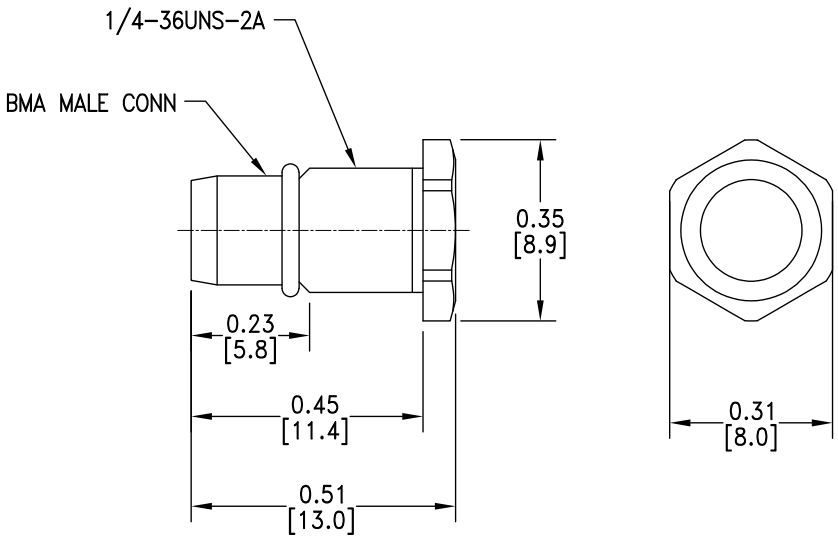
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CONNECTOR SPECIFICATIONS

Description	Connector
Connector Type	BMA Male
Orientation	Straight
Body Material	Passivated Stainless steel
Center Pin Material	Gold-Plated Brass

CASE STYLE DRAWING



Weight: 3.18 grams.

Dimensions are in inches [mm]. Tolerances: 2 Pl. ± 0.03; 3 Pl. ± 0.15

PRODUCT MARKING*: BMA-TERM50+

*Marking may contain other features or characters for internal lot control.

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ADDITIONAL INFORMATION IS AVAILABLE ON OUR DASHBOARD CLICK HERE

Performance Data & Graphs	Data Graphs S-Parameter (S2P Files) Data Set (.zip file)
Case Style	LL3804
RoHS Status	Compliant
Environmental Ratings	ENV28

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-Circuits' 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