



Mini-Circuits

COAXIAL

Termination

TERM-2W-183S+

50Ω DC to 18 GHz SMA-Male

KEY FEATURES

- Wideband Operation, DC to 18 GHz
- Input Power Handling, 2 W
- Excellent VSWR, 1.09 dB Typ.
- Rugged Construction

*Generic photo used for illustration purposes only*

+RoHS Compliant

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

APPLICATIONS

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

PRODUCT OVERVIEW

Mini-Circuits' TERM-2W-183S+ is a wideband 50Ω high power termination capable of absorbing signals up to 2 W from DC to 18 GHz. It provides excellent return loss across its entire operating frequency range, effectively dissipating signal power with minimal reflections. This model has an SMA-Male connector, allowing connections with SMA-Female connectors. The unit features rugged construction for a long life and comes in a Nickel-plated Brass housing.

ELECTRICAL SPECIFICATIONS AT +25°C

Parameter	Condition (GHz)	Min.	Typ.	Max.	Units
Frequency Range	-	DC	-	18	GHz
VSWR	DC - 6	-	1.04	1.33	:1
	6 - 12	-	1.07	1.33	
	12 - 18	-	1.16	1.33	

ABSOLUTE MAXIMUM RATINGS¹

Operating Case Temperature	-40° C to +120° C
Storage Temperature	-40° C to +120° C
Input Power ²	2 W

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

2. At +25°C derate linearly to 0.5 W at +120°C.





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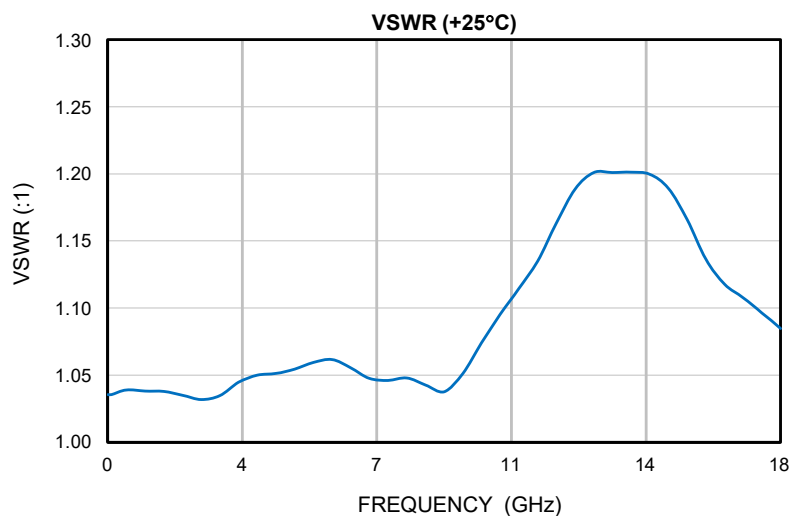
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TYPICAL PERFORMANCE GRAPH

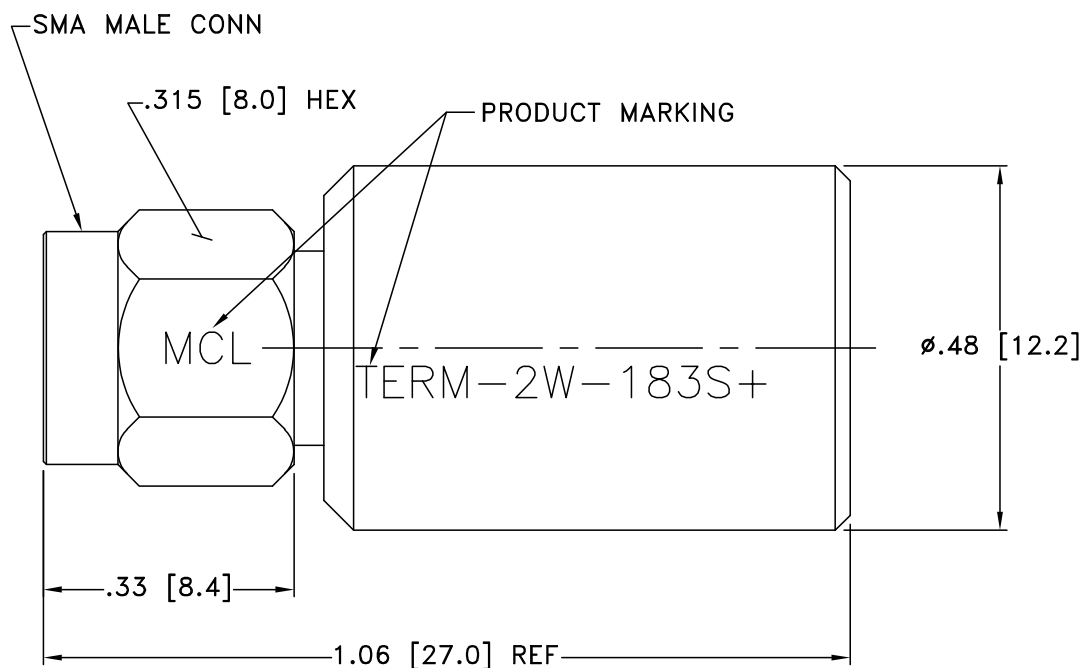




CONNECTOR SPECIFICATIONS

Description	Connector
Connector Type	SMA-Male
Orientation	Straight

OUTLINE DRAWING



Weight: 21 grams MAX

Dimensions are in inches [mm]. Tolerances: 2 Pl. ±.03; 3 Pl. ± .015 inches

PRODUCT MARKING*: TERM-2W-183S+

*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 (S1P Files) Data Set (.zip file)
Case Style	LL3658
RoHS Status	Compliant
Environmental Ratings	ENV150

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

