



COAXIAL

# Termination

## TERM-10W-183S+

50Ω DC to 18 GHz SMA-Male

### KEY FEATURES

- Wideband Operation, DC to 18 GHz
- Input Power Handling, 10 W
- Excellent VSWR, 1.07:1 Typ.
- Rugged Construction

### APPLICATIONS

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



Generic photo used for illustration purposes only

### PRODUCT OVERVIEW

Mini-Circuits' TERM-10W-183S+ is a wideband 50Ω high power termination capable of absorbing signals up to 10 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's SMA-Male Interface, allows mating to any SMA-Female connector. The unit features rugged construction for a long life and comes in a Passivated Stainless-Steel housing.

### ELECTRICAL SPECIFICATIONS<sup>1</sup> AT +25°C

Parameter	Condition (GHz)	Min.	Typ.	Max.	Units
Frequency Range	-	DC	-	18	GHz
VSWR	DC - 10	-	1.03	1.35	:1
	10 - 18	-	1.14	1.40	

1. Specifications are tested to minimum frequency of 0.01 GHz

### ABSOLUTE MAXIMUM RATINGS<sup>2</sup>

Operating Case Temperature	-45° C to +80° C
Storage Temperature	-45° C to +80° C
Input Power <sup>3</sup>	10 W

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

3. At +25°C derate linearly to 1 W at 125°C.





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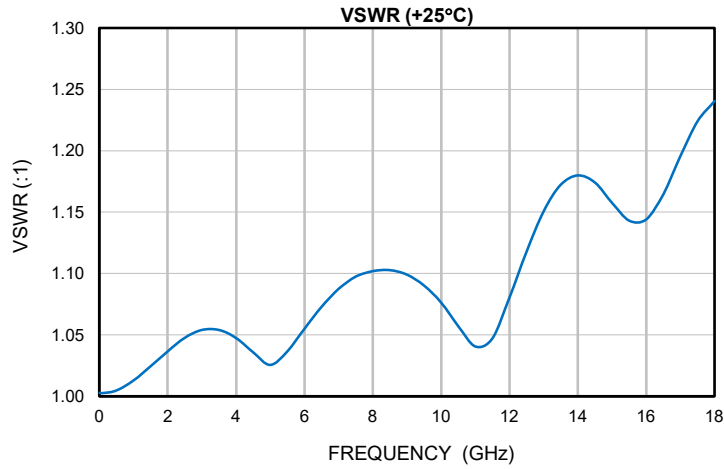
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### TYPICAL PERFORMANCE GRAPHS





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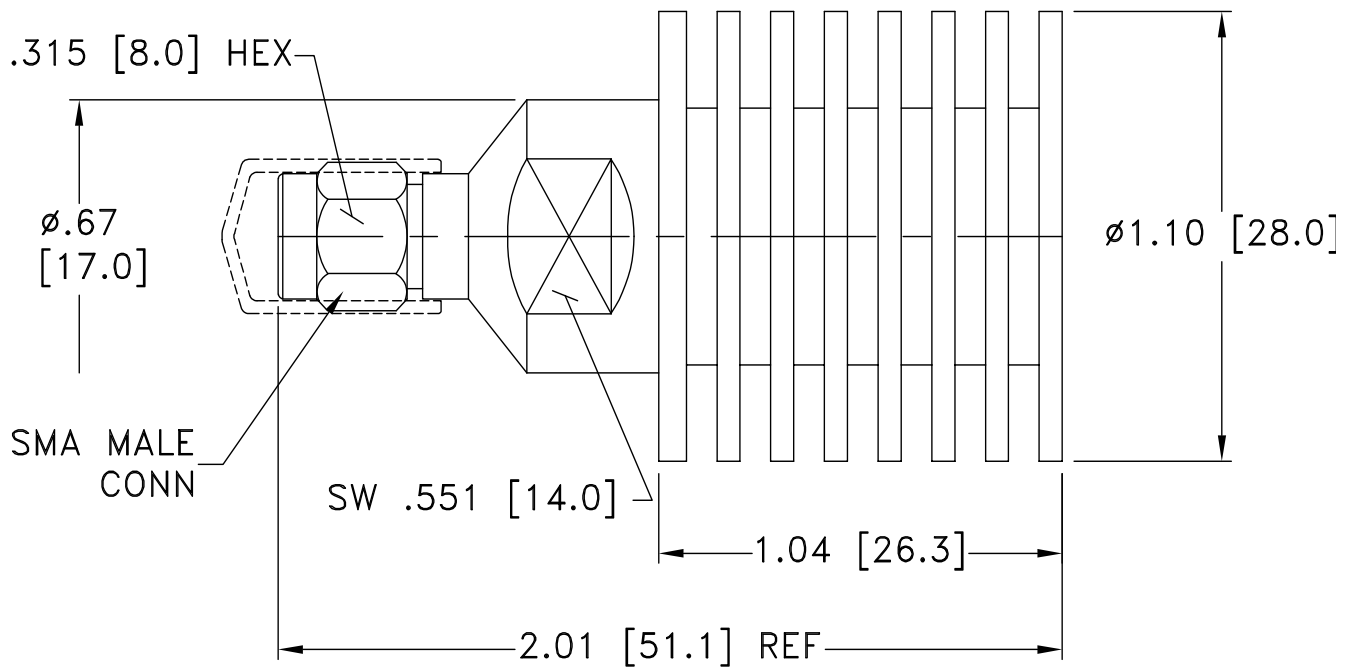
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### CONNECTOR SPECIFICATIONS

Description	Connector
Connector Type	SMA-Male
Orientation	Straight

### CASE STYLE DRAWING



Weight: 53.5 grams MAX

Dimensions are in inches [mm]. Tolerances: 2 Pl. ±0.3; 3 Pl. ± .015 inches

**PRODUCT MARKING\*:** TERM-10W-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	LL3724-1
RoHS Status	Compliant
Environmental Ratings	ENV151

### 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](http://www.minicircuits.com/terms/viewterm.html)

