

**KEY FEATURES**

- Wideband Operation, DC to 18 GHz
- Input Power Handling, 5 W
- Excellent VSWR, 1.08 dB Typ.
- Rugged Construction



Generic photo used for illustration purposes only

APPLICATIONS

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

+RoHS Compliant

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

PRODUCT OVERVIEW

Mini-Circuits' TERM-5W-183S+ is a wideband 50Ω high power termination capable of absorbing signals up to 5 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 connection to an SMA-Female connector. The unit features rugged construction for a long life and comes in a Passivated Stainless-Steel housing.

ELECTRICAL SPECIFICATIONS AT +25°C

Parameter	Condition (GHz)	Min.	Typ.	Max.	Units
Frequency Range	-	DC	-	18	GHz
VSWR	DC - 10	-	1.05	1.30	:1
	10 - 18	-	1.12	1.33	

ABSOLUTE MAXIMUM RATINGS¹

Operating Case Temperature	-45° C to +125° C
Storage Temperature	-45° C to +125° C
Input Power ²	5 W

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

2. At +25°C derate linearly to 0.5 W at 125°C.



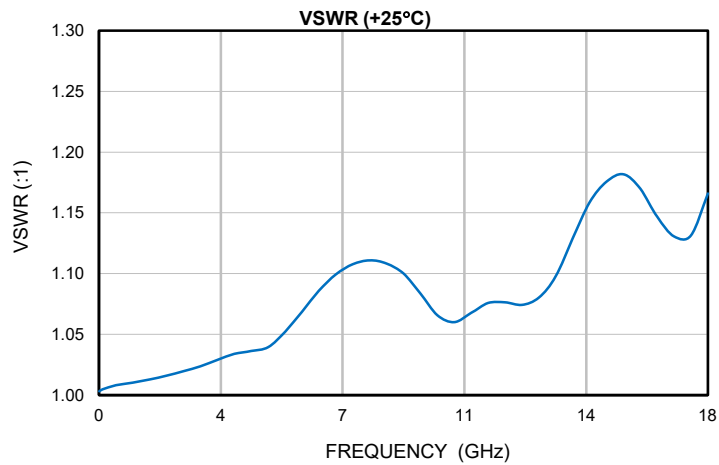
COAXIAL

Termination

TERM-5W-183S+

50 Ω DC to 18 GHz SMA-Male

TYPICAL PERFORMANCE GRAPHS





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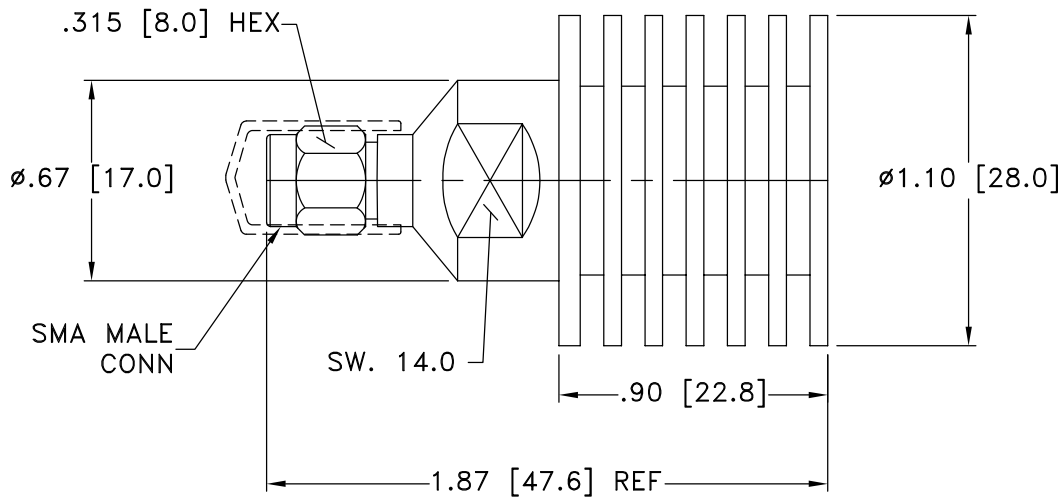
TERM-5W-183S+

50Ω DC to 18 GHz SMA-Male

CONNECTOR SPECIFICATIONS

Description	Connector
Connector Type	SMA-Male
Orientation	Straight

OUTLINE DRAWING



Weight: 51.5 grams MAX

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

PRODUCT MARKING*: TERM-5W-183S+

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





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Termination

TERM-5W-183S+

50Ω DC to 18 GHz SMA-Male

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
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

