

# COAXIAL Termination

### TERM-10W-183S+

DC to 18 GHz SMA-Male 500

#### **KEY FEATURES**

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



Generic photo used for illustration purposes only

#### **APPLICATIONS**

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

#### **PRODUCT OVERVIEW**

Mini-Circuits' TERM-10W-183S+ is a wideband  $50\Omega$  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.	Тур.	Max.	Units
Frequency Range	-	DC	-	18	GHz
VSWR	DC - 10	-	1.03	1.35	:1
	10 - 18	-	1.14	1.40	

<sup>1.</sup> 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	

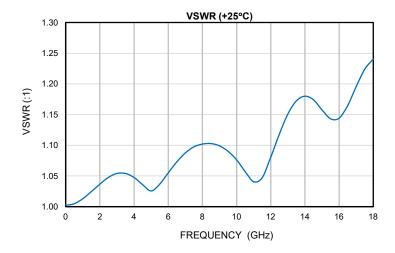
<sup>2.</sup> Permanent damage may occur if any of these limits are exceeded. 3. At +25°C derate linearly to 1 W at 125°C.

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#### **TYPICAL PERFORMANCE GRAPHS**



## TERM-10W-183S+

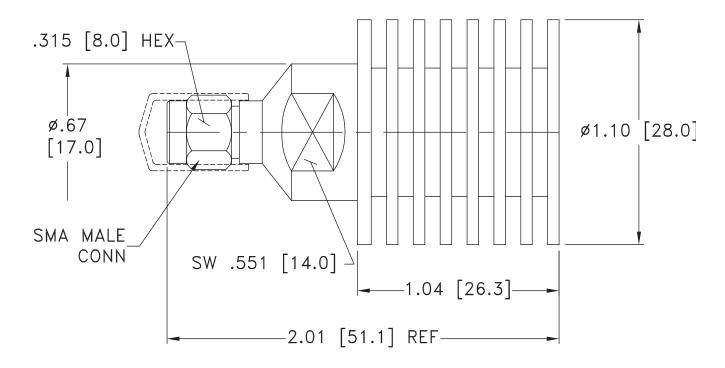
50Ω DC to 18 GHz SMA-Male

#### **CONNECTOR SPECIFICATIONS**

Mini-Circuits

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

	Data		
Performance Data & Graphs	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

