

**KEY FEATURES**

- Wideband Operation, DC to 18 GHz
- Input Power Handling, 10 W
- Excellent VSWR, 1.08 dB Typ.
- Rugged Construction

APPLICATIONS

- Cellular Communications
- Satellite Communications
- Test & Measurement Systems
- Defense & Radar

*Generic photo used for illustration purposes only***PRODUCT OVERVIEW**

Mini-Circuits' TERM-10W-183N+ is a wideband 50 Ω 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 N-Type interface allows mating to any N-Female connector. The unit features rugged construction for a long life and comes in a Passivated Stainless-Steel housing.

ELECTRICAL SPECIFICATIONS¹ AT +25°C

Parameter	Condition (GHz)	Min.	Typ.	Max.	Units
Frequency Range	-	DC	-	18	GHz
VSWR	DC - 10	-	1.04	1.35	:1
	10 - 18	-	1.18	1.40	

1. Specifications are tested to minimum frequency of 0.01 GHz

ABSOLUTE MAXIMUM RATINGS²

Operating Case Temperature	-45° C to +80° C
Storage Temperature	-45° C to +80° C
Input Power ³	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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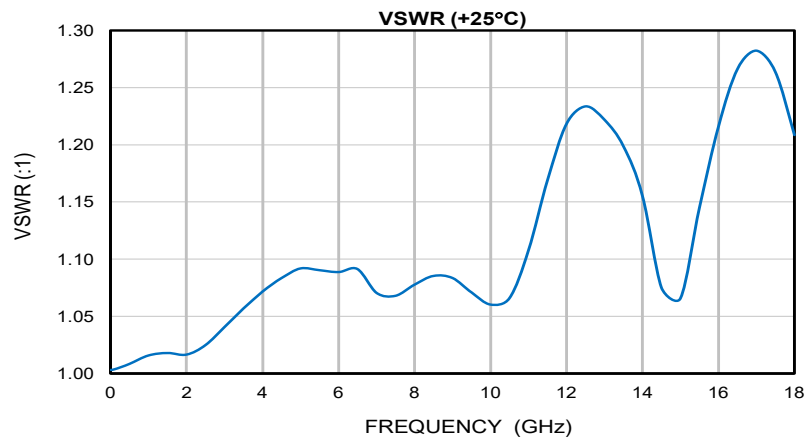
Termination

TERM-10W-183N+

Mini-Circuits

50Ω DC to 18 GHz N-Male

TYPICAL PERFORMANCE GRAPHS

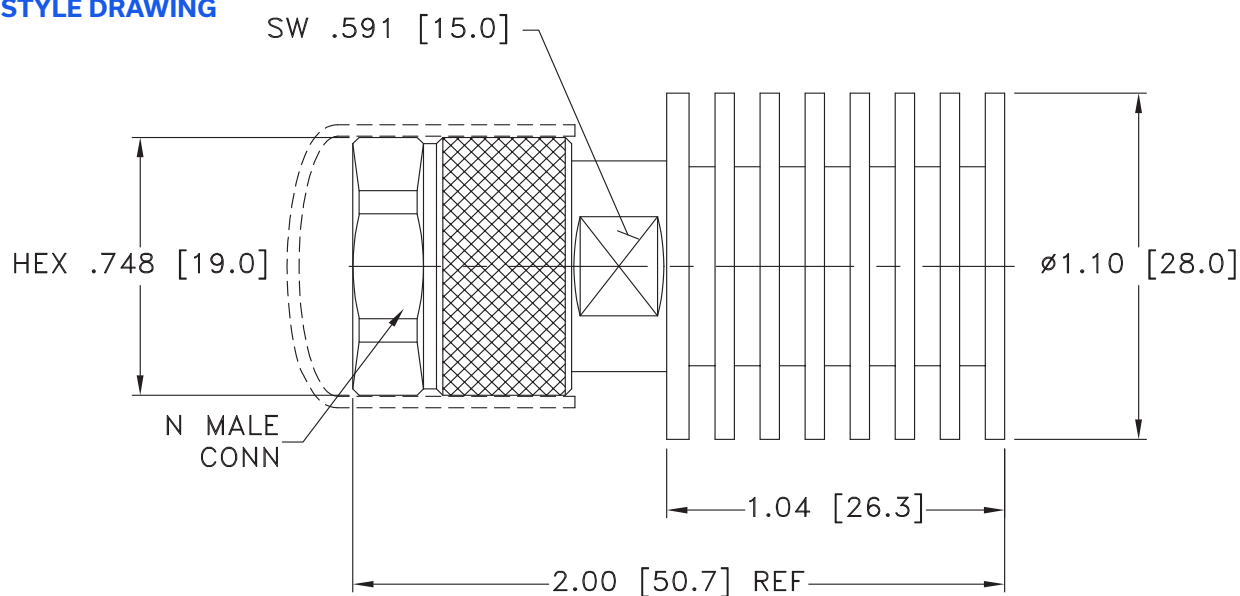




CONNECTOR SPECIFICATIONS

Description	Connector
Connector Type	N-Male
Orientation	Straight

CASE STYLE DRAWING



Weight: 65.5 grams MAX

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

PRODUCT MARKING*: TERM-10W-183N+

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



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Termination

TERM-10W-183N+

50Ω DC to 18 GHz N-Male

ADDITIONAL INFORMATION IS AVAILABLE ON OUR DASHBOARD

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Performance Data & Graphs	Data
	Graphs
	S-Parameter (S1P Files) Data Set (.zip file)
Case Style	LL3725-1
RoHS Status	Compliant
Environmental Ratings	ENV153

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

