



## KEY FEATURES

- Ultra-wideband, DC to 110GHz
- Low Insertion Loss, 0.35 dB Typ.
- Straight Body
- Excellent VSWR, 1.06:1 Typ.



Generic photo used for illustration purposes only

## PRODUCT OVERVIEW

Mini-Circuits' 10M-10M+ is a coaxial 1.0mm Male to 1.0mm Male adapter supporting a wide range of applications from DC to 110 GHz. This model provides excellent VSWR and low insertion loss versus frequency. The 10M-10M+ features passivated stainless-steel construction and measures only 0.57" in length.

## ELECTRICAL SPECIFICATIONS AT +25°C

Parameter	Condition (GHz)	Min.	Typ.	Max.	Units
Frequency Range		DC		110	GHz
Insertion Loss	0.01-30	—	0.17	0.68	dB
	30-60	—	0.29	0.68	
	60-90	—	0.42	0.68	
	90-110	—	0.52	0.68	
VSWR	0.01-30	—	1.04	1.25	:1
	30-60	—	1.04	1.25	
	60-90	—	1.04	1.25	
	90-110	—	1.11	1.25	

Absolute Maximum Ratings are on page 3.



COAXIAL

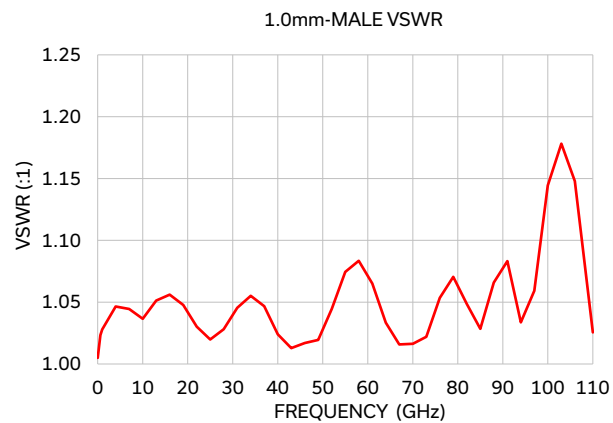
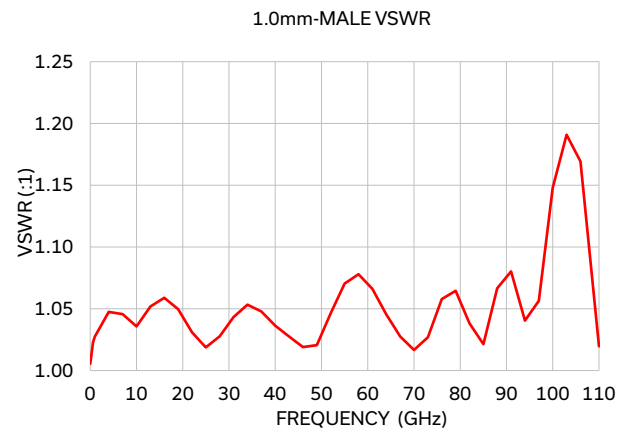
# Adapter

10M-10M+

Mini-Circuits

50 $\Omega$  DC to 110 GHz 1.0mm-Male to 1.0mm-Male

## TYPICAL PERFORMANCE GRAPHS





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# Adapter

10M-10M+

50Ω DC to 110 GHz 1.0mm-Male to 1.0mm-Male

## ABSOLUTE MAXIMUM RATINGS<sup>1</sup>

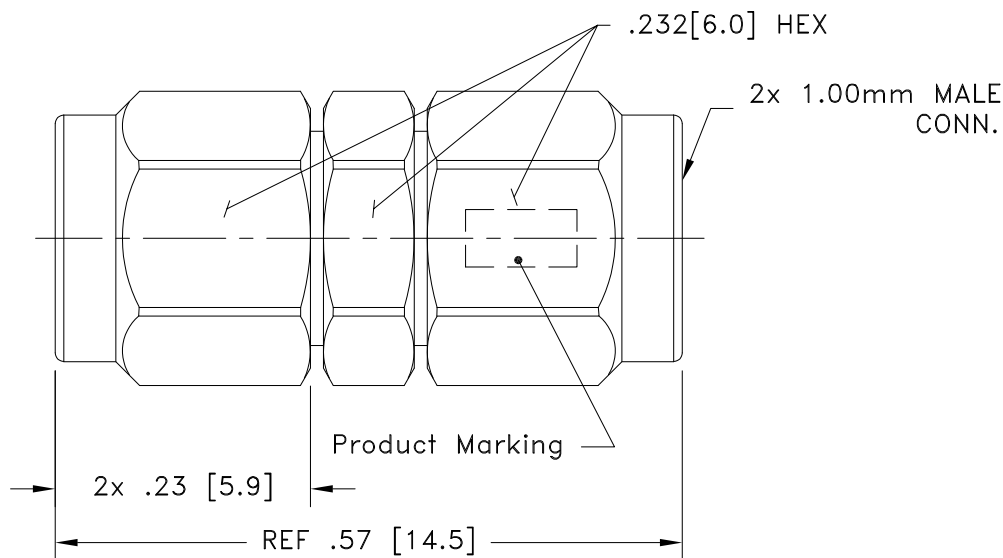
Parameter	Ratings
Operating Case Temperature	+10 °C to +40 °C
Storage Temperature	+10 °C to +40 °C

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

## CONNECTOR SPECIFICATIONS

Description	Connector 1	Connector 2
Connector Type	1.00mm Male	1.00mm Male
Orientation	Straight	Straight

## CASE STYLE DRAWING



Weight: 2.6 grams

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

## PRODUCT MARKING\*: 10M-10M+

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

ADDITIONAL INFORMATION IS AVAILABLE ON OUR DASHBOARD

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Performance	Data Graphs S-Parameter (S2P Files) Data Set (.zip file)
Case Style	DJ3474-2
RoHs Status	Compliant
Environmental Ratings	ENV127T1

## NOTES

- 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.
- Electrical specifications and performance data contained in this specification document are based on Mini-Circuit's applicable established test performance criteria and measurement instructions.
- 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)



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