

**KEY FEATURES**

- Ultra-Wideband, DC to 40 GHz
- Low Insertion Loss, 0.08 dB Typ.
- Excellent VSWR, 1.07:1 Typ.
- Straight Body



Generic photo used for illustration purposes only

**PRODUCT OVERVIEW**

Mini-Circuits' 24M-KM+ is a coaxial 2.4 mm-Male to 2.92 mm-Male adapter supporting a wide range of applications from DC to 40 GHz. This model provides excellent VSWR and low insertion loss versus frequency. The 24M-KM+ features passivated stainless-steel construction and measures only 0.74" in length.

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

Parameter	Frequency (GHz)	Min.	Typ.	Max.	Units
Frequency Range		DC	-	40	GHz
Insertion Loss	DC-40	-	0.08	0.47	dB
VSWR	DC-40	-	1.07	1.20	:1

1. Specifications are tested to minimum frequency of 0.01 GHz.

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

Operating Case Temperature	-45 °C to +125 °C
Storage Temperature	-45 °C to +125 °C

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



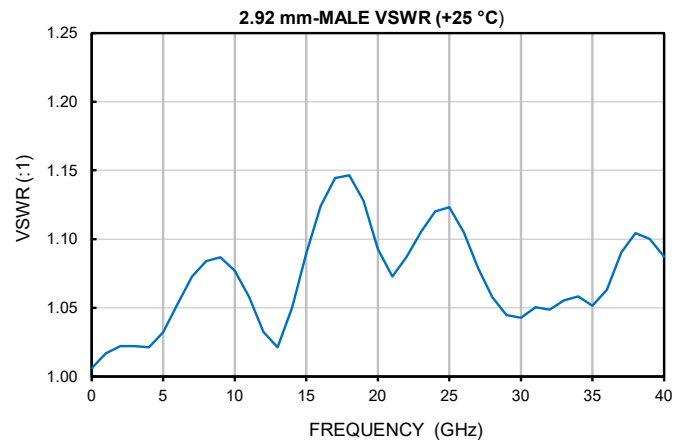
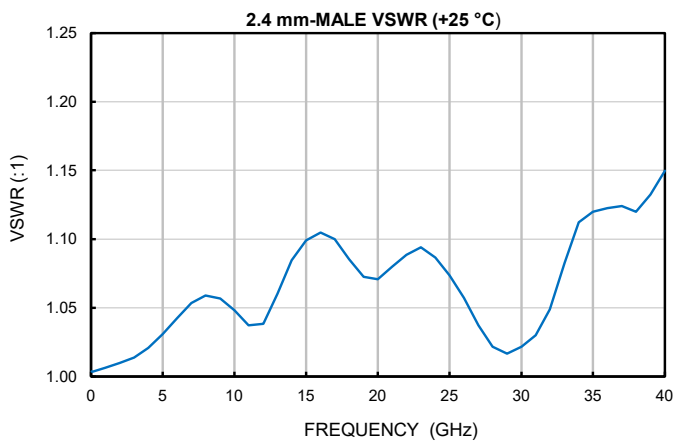
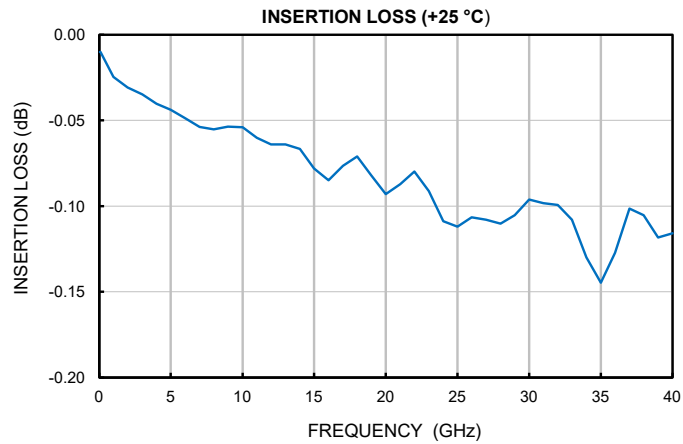
COAXIAL

# Adapter

24M-KM+

50 $\Omega$  DC to 40 GHz 2.4 mm-Male to 2.92 mm-Male

## TYPICAL PERFORMANCE GRAPHS





COAXIAL

# Adapter

24M-KM+

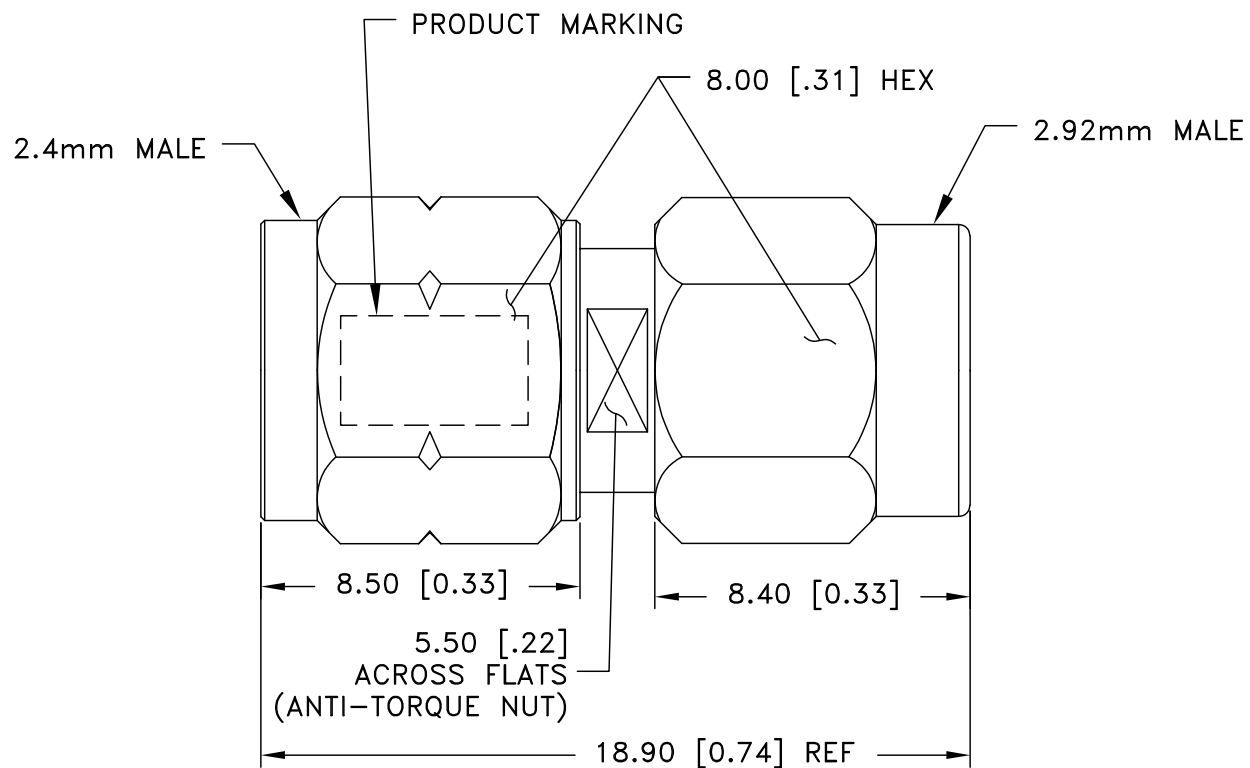
Mini-Circuits

50Ω DC to 40 GHz 2.4 mm-Male to 2.92 mm-Male

## CONNECTOR SPECIFICATIONS

Description	Connector 1	Connector 2
Connector Type	2.4 mm-Male	2.92 mm-Male
Orientation	Straight	Straight

## CASE STYLE DRAWING



Weight: 4.5 grams

Dimensions are in mm [inches]. Tolerances: 2 Pl ±.40 mm

**PRODUCT MARKING\*:** 24M-KM+

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





ADDITIONAL INFORMATION IS AVAILABLE ON OUR DASHBOARD

CLICK HERE

Performance Data & Graphs	Data
	Graphs
	S-Parameter (S2P Files) Data Set (.zip file)
Case Style	DJ3748-1
RoHS Status	Compliant
Environmental Ratings	ENV152

#### 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-Circuits' 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)