



Mini-Circuits

COAXIAL

Adapter

24M-35F+

50Ω DC to 34.5 GHz 2.4 mm-Male to 3.5 mm-Female

KEY FEATURES

- Ultra-Wideband, DC to 34.5 GHz
- Low Insertion Loss, 0.09 dB Typ.
- Excellent VSWR, 1.07:1 Typ.
- Straight Body



Generic photo used for illustration purposes only

PRODUCT OVERVIEW

Mini-Circuits' 24M-35F+ is a coaxial 2.4 mm-Male to 3.5 mm-Female adapter supporting a wide range of applications from DC to 34.5 GHz. This model provides excellent VSWR and low insertion loss versus frequency. The 24M-35F+ features passivated stainless-steel construction and measures only 0.79" in length. These adapters are used to enable connections between connector types that would otherwise not mate.

ELECTRICAL SPECIFICATIONS¹ AT +25 °C

| Parameter | Frequency (GHz) | Min. | Typ. | Max. | Units |
|-----------------|-----------------|------|------|------|-------|
| Frequency Range | | DC | | 34.5 | GHz |
| Insertion Loss | DC-26.5 | - | 0.08 | 0.45 | dB |
| | 26.5-34.5 | - | 0.15 | 0.45 | |
| VSWR | DC-26.5 | - | 1.06 | 1.25 | :1 |
| | 26.5-34.5 | - | 1.12 | 1.33 | |

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

ABSOLUTE MAXIMUM RATINGS²

| | |
|----------------------------|-------------------|
| 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.





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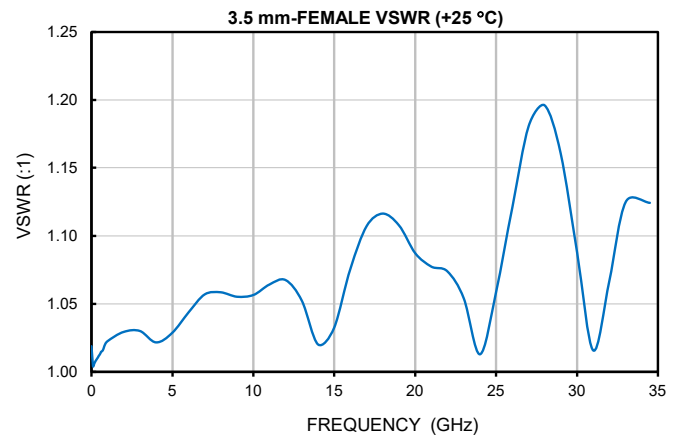
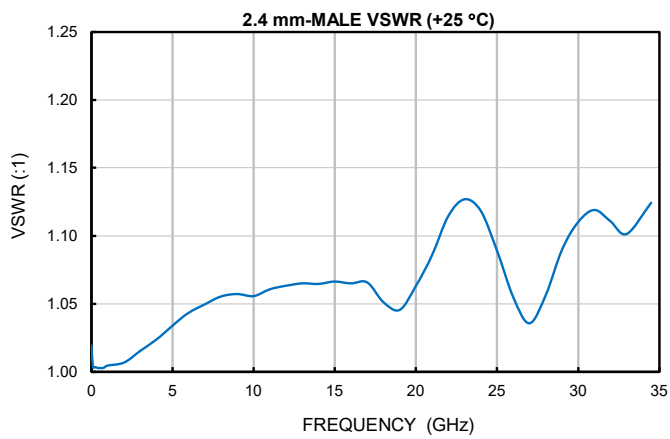
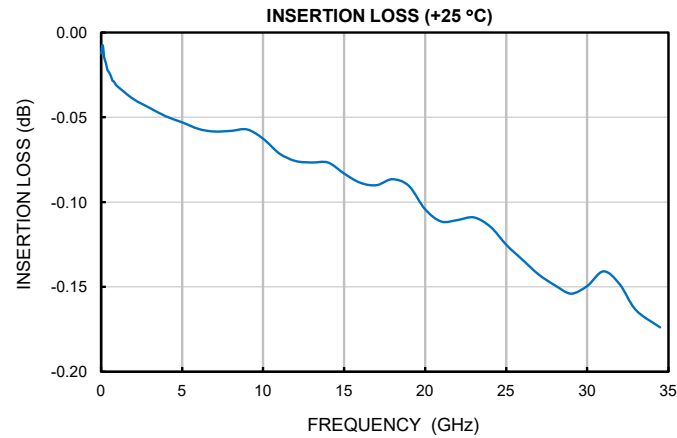
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TYPICAL PERFORMANCE GRAPHS





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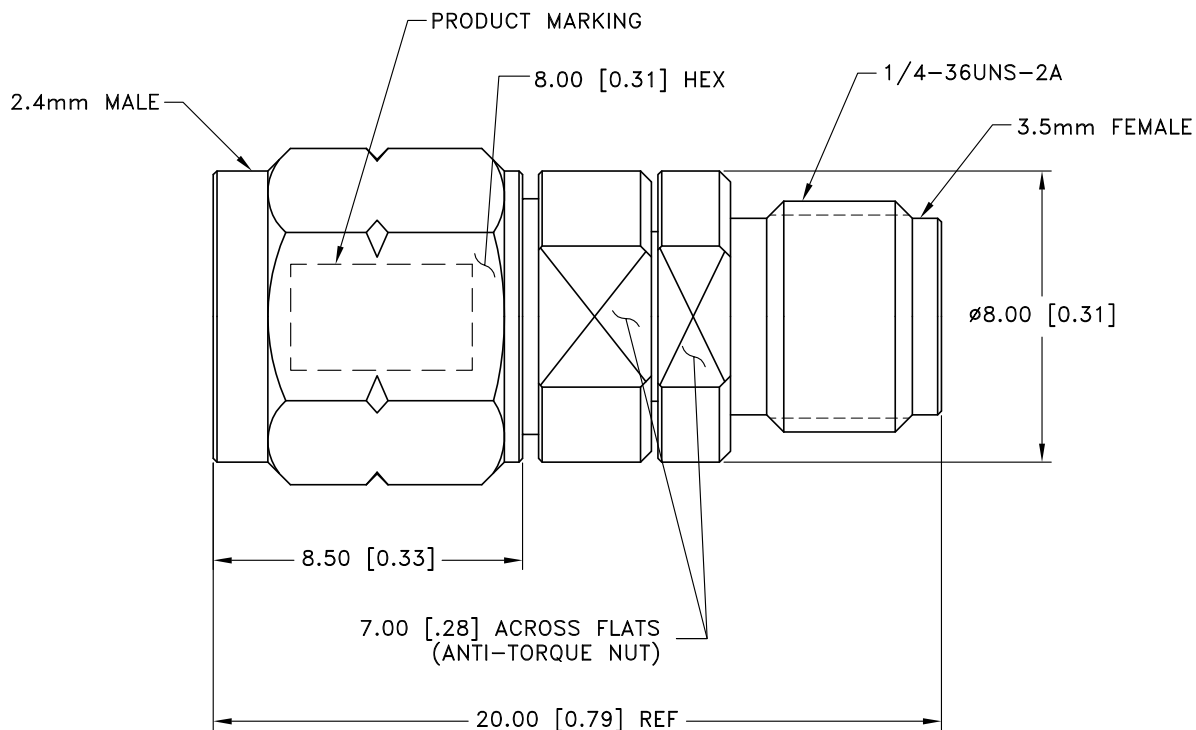
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CONNECTOR SPECIFICATIONS

| Description | Connector 1 | Connector 2 |
|----------------|-------------|---------------|
| Connector Type | 2.4 mm-Male | 3.5 mm-Female |
| Orientation | Straight | Straight |

CASE STYLE DRAWING



Weight: 4.2 grams

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

PRODUCT MARKING*: 24M-35F+

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





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ADDITIONAL INFORMATION IS AVAILABLE ON OUR DASHBOARD

CLICK HERE

| | |
|---------------------------|--|
| Performance Data & Graphs | Data Graphs S-Parameter (S2P Files) Data Set (.zip file) |
| Case Style | DJ3746-3 |
| 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

