



Mini-Circuits

COAXIAL

Adapter

185FR-KM+

50Ω DC to 40 GHz Right-Angle 1.85 mm-Female to 2.92 mm-Male

KEY FEATURES

- Ultra-Wideband, DC to 40 GHz
- Low Insertion Loss, 0.20 dB Typ.
- Excellent VSWR, 1.10:1 Typ.
- Right-Angle Body



Generic photo used for illustration purposes only

PRODUCT OVERVIEW

Mini-Circuits' 185FR-KM+ is a coaxial 1.85 mm-Female Right-Angle 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 185FR-KM+ features passivated stainless-steel construction and measures only 0.755" 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 | - | 40 | GHz |
| Insertion Loss | DC-40 | - | 0.20 | 0.55 | dB |
| VSWR | DC-40 | - | 1.10 | 1.43 | :1 |

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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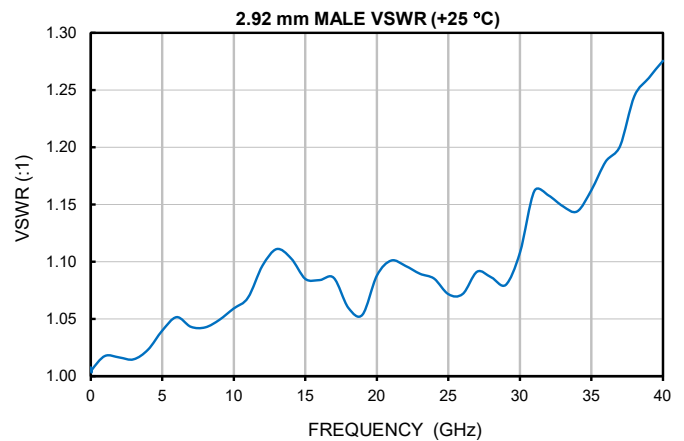
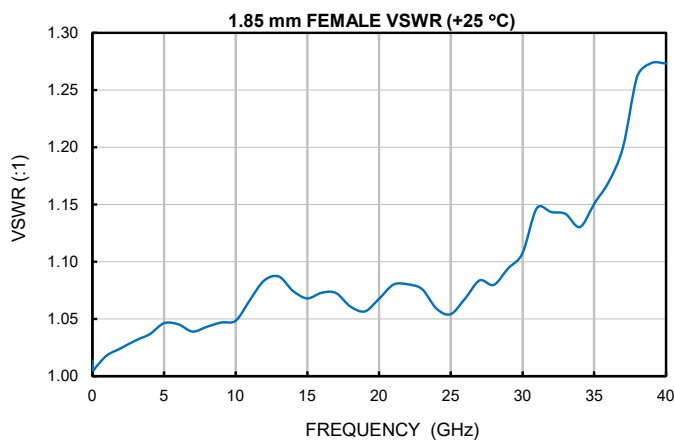
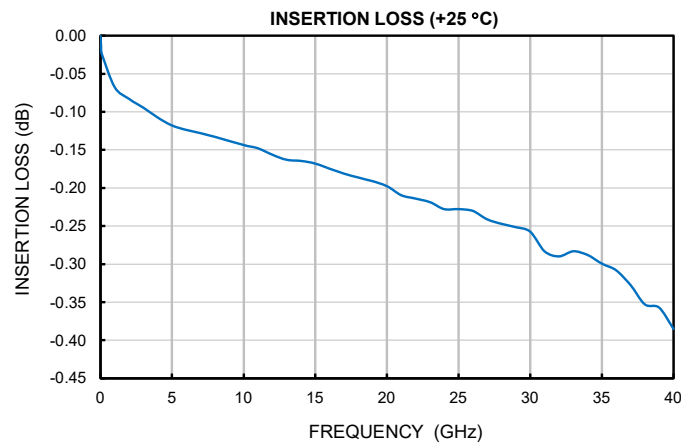
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TYPICAL PERFORMANCE GRAPHS





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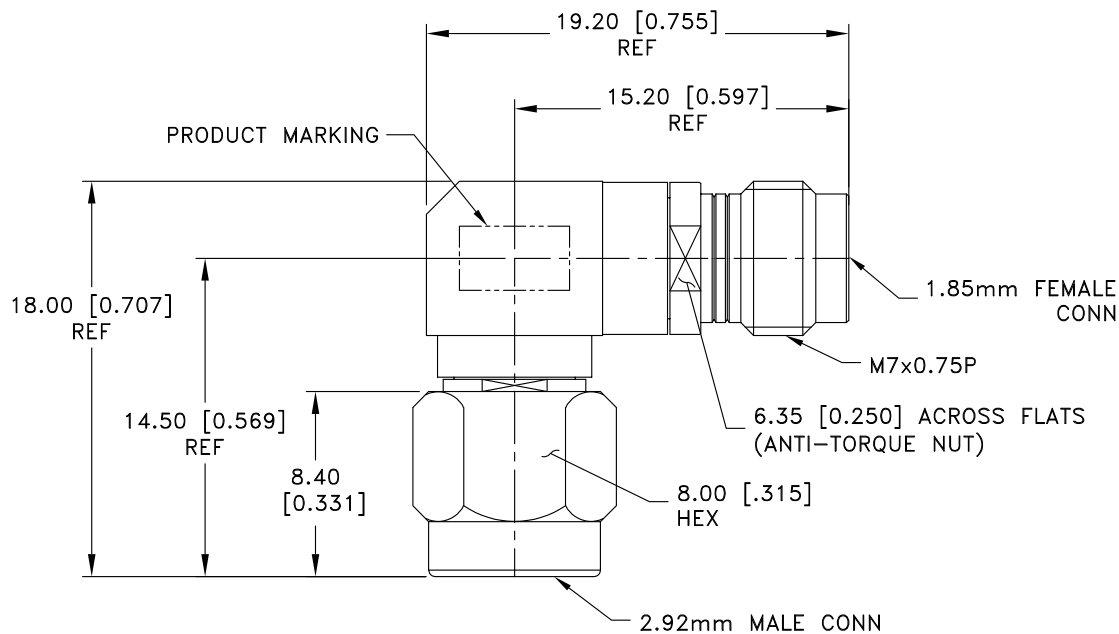
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CONNECTOR SPECIFICATIONS

| Description | Connector 1 | Connector 2 |
|----------------|----------------|--------------|
| Connector Type | 1.85 mm-Female | 2.92 mm-Male |
| Orientation | Right-Angle | Straight |

CASE STYLE DRAWING



Weight: 8.4 grams

Dimensions are in mm [inches]. Tolerances: 2 Pl.±0.20 mm

PRODUCT MARKING*: 185FR-KM+

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





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ADDITIONAL DETAILED INFORMATION IS AVAILABLE ON OUR DASHBOARD

[CLICK HERE](#)

| | |
|---------------------------|--|
| Performance Data & Graphs | Data |
| | Graphs |
| | S-Parameter (S2P Files) Data Set (.zip file) |
| Case Style | DJ3734-1 |
| RoHS Status | Compliant |
| Environmental Ratings | ENV152 |

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

