

**KEY FEATURES**

- Ultra-Wideband, DC to 40 GHz
- Low Insertion Loss, 0.16 dB Typ.
- Excellent VSWR, 1.15:1 Typ.
- Right-Angle Body



Generic photo used for illustration purposes only

**PRODUCT OVERVIEW**

Mini-Circuits' 185MR-KM+ is a coaxial 1.85 mm-Male 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 185MR-KM+ features passivated stainless-steel construction and measures only 0.712" in length. These adapters are used to enable connections between connector types that would otherwise not mate.

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

| Parameter       | Frequency (GHz) | Min. | Typ. | Max. | Units |
|-----------------|-----------------|------|------|------|-------|
| Frequency Range | -               | DC   | -    | 40   | GHz   |
| Insertion Loss  | DC-40           | -    | 0.16 | 0.55 | dB    |
| VSWR            | DC-40           | -    | 1.15 | 1.43 | :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.



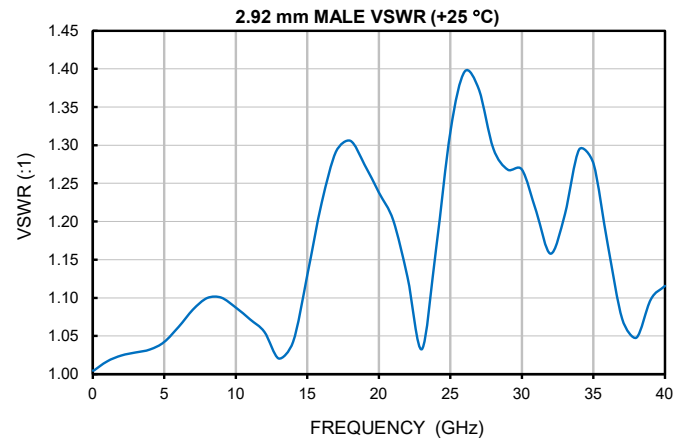
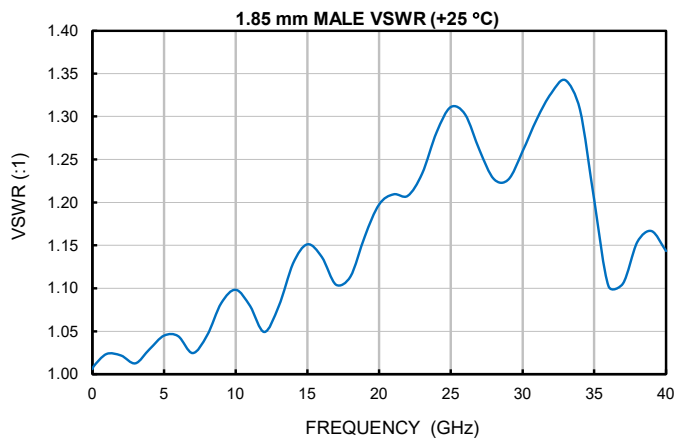
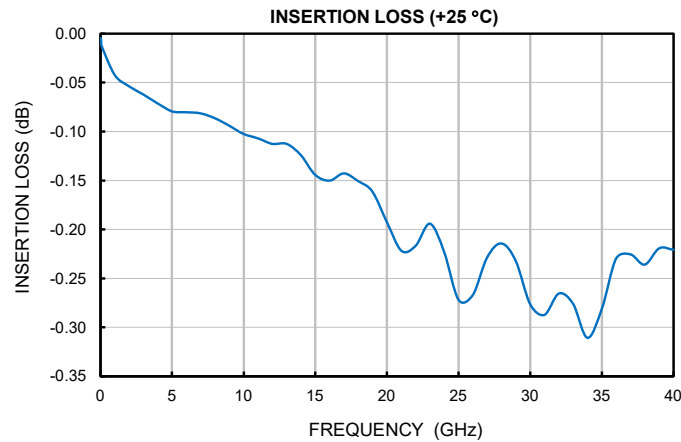
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# Adapter

**185MR-KM+**

50 $\Omega$  DC to 40 GHz Right-Angle 1.85 mm-Male to 2.92 mm-Male

## TYPICAL PERFORMANCE GRAPHS





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# Adapter

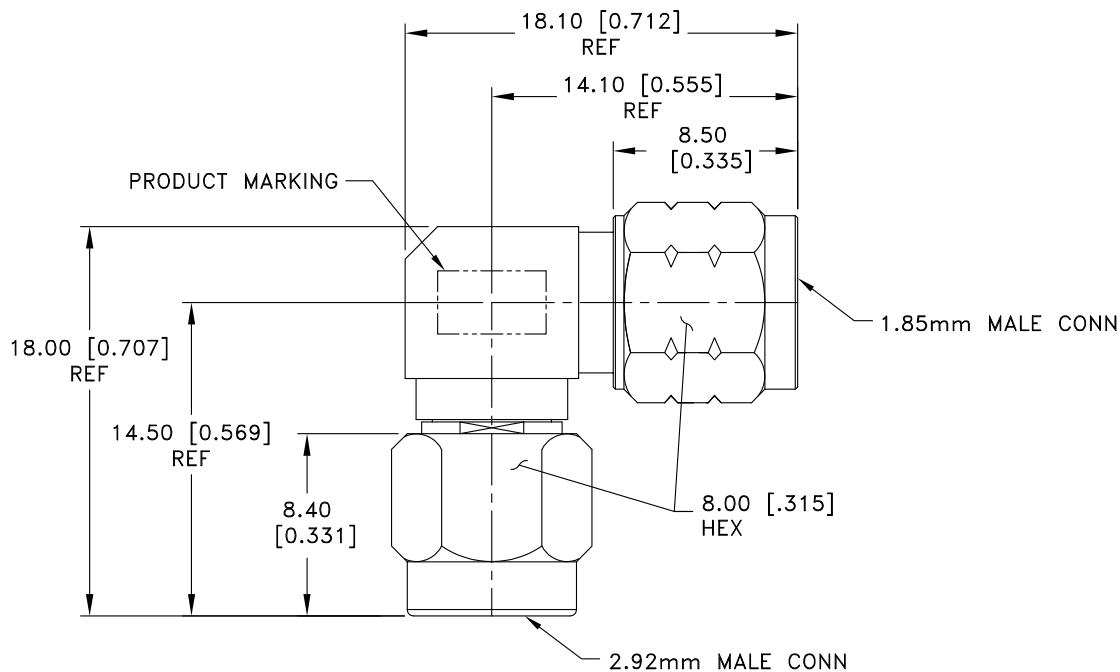
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## CONNECTOR SPECIFICATIONS

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

## CASE STYLE DRAWING



Weight: 9.2 grams

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

**PRODUCT MARKING\*:** 185MR-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                | DJ3734-3                                     |
| 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](http://www.minicircuits.com/terms/viewterm.html)

