COAXIAL

Adapter

185FR-KF+

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

KEY FEATURES

- Ultra-Wideband, DC to 40 GHz
- Low Insertion Loss, 0.17 dB Typ.
- Excellent VSWR, 1.09:1 Typ.
- Right-Angle Body

Generic photo used for illustration purposes only

PRODUCT OVERVIEW

Mini-Circuits' 185FR-KF+ is a coaxial 1.85 mm-Female Right-Angle to 2.92 mm-Female 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-KF+ 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 SPECIFICATIONS[1] AT +25°C

Parameter	Frequency (GHz)	Min.	Typ.	Max.	Units
Frequency Range	-	DC	-	40	GHz
Insertion Loss	DC-40	-	0.17	0.55	dB
VSWR	DC-40	-	1.09	1.43	:1

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

ABSOLUTE MAXIMUM RATINGS[2]

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.

REV. OR
ECO-027364
185FR-KF+
MCL NY
251017

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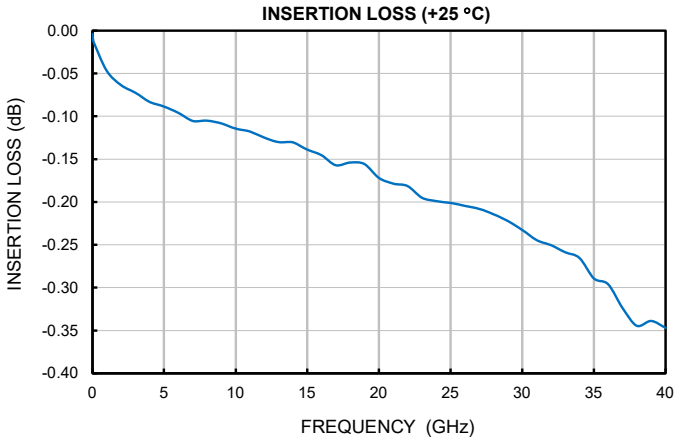
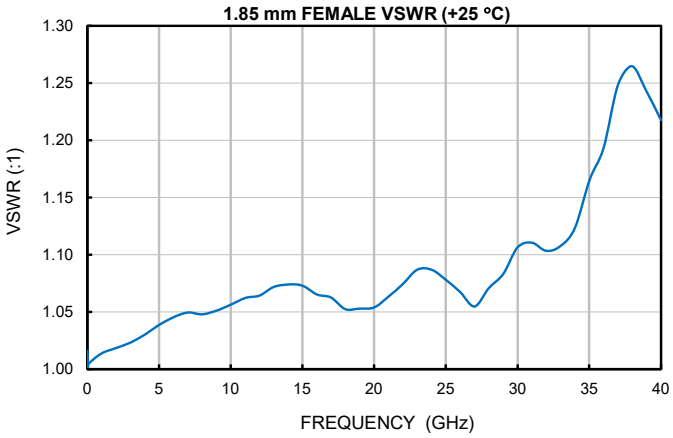
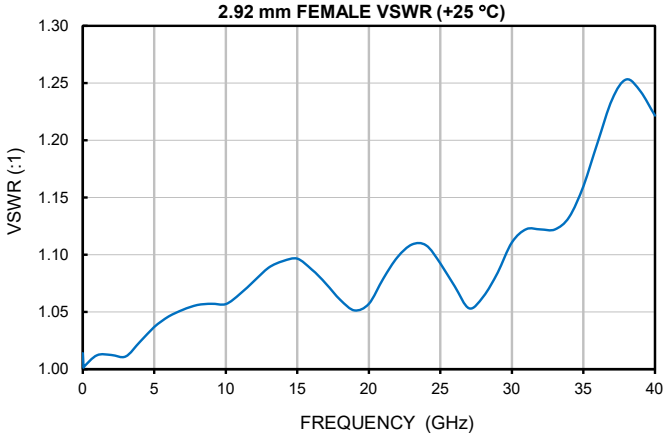
TYPICAL PERFORMANCE GRAPHS







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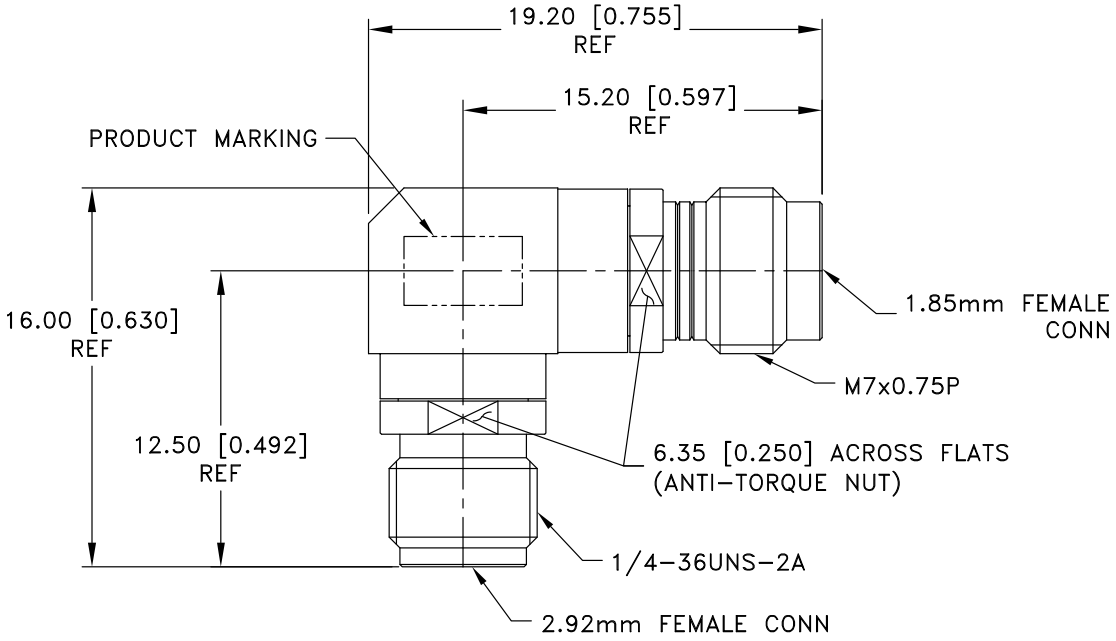
CONNECTOR SPECIFICATIONS

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

CASE STYLE DRAWING



Weight: 6.8 grams
Dimensions are in mm [inches]. Tolerances: 2 Pl.±0.20 mm

PRODUCT MARKING*: 185FR-KF+
* Marking may contain other features or characters for internal lot control.

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
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-Circuit's 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