COAXIAL

Adapter

185FR-185M+

50Ω DC to 67 GHz Right-Angle 1.85 mm-Female to 1.85 mm-Male

KEY FEATURES

- Ultra-Wideband, DC to 67 GHz
- Low Insertion Loss, 0.30 dB Typ.
- Excellent VSWR, 1.11:1 Typ.
- Right-Angle Body

Generic photo used for illustration purposes only

PRODUCT OVERVIEW

Mini-Circuits' 185FR-185M+ is a coaxial 1.85 mm Right-Angle Female to 1.85 mm Male adapter supporting a wide range of applications from DC to 67 GHz. This model provides excellent VSWR and low insertion loss versus frequency. The 185FR-185M+ features passivated stainless-steel construction and measures only 0.697" in length.

ELECTRICAL SPECIFICATIONS[1] AT +25°C

Parameter	Frequency (GHz)	Min.	Typ.	Max.	Units
Frequency Range	-	DC	-	67	GHz
Insertion Loss	DC-30	-	0.15	0.60	dB
	30-40	-	0.28	0.60	
	40-50	-	0.31	0.60	
	50-67	-	0.40	0.65	
VSWR	DC-30	-	1.06	1.40	:1
	30-40	-	1.19	1.45	
	40-50	-	1.12	1.40	
	50-67	-	1.15	1.45	

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-027172
185FR-185M+
MCL NY
251107

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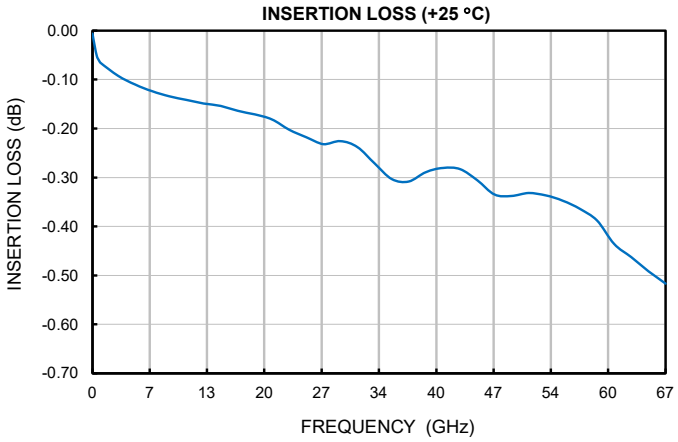
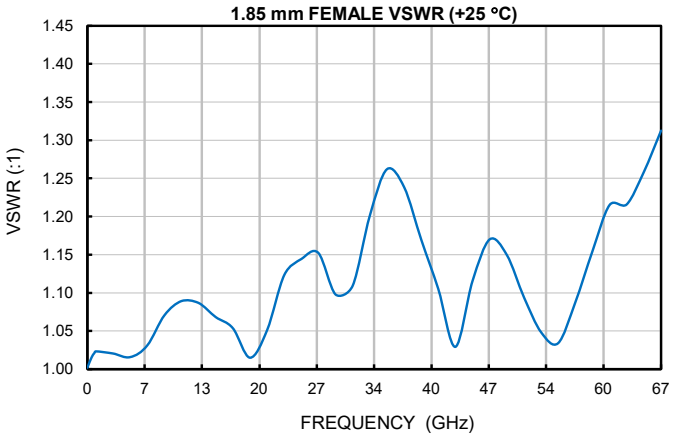
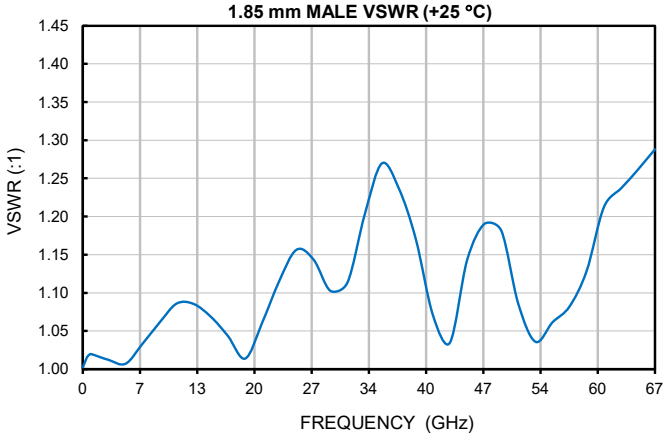
TYPICAL PERFORMANCE GRAPHS







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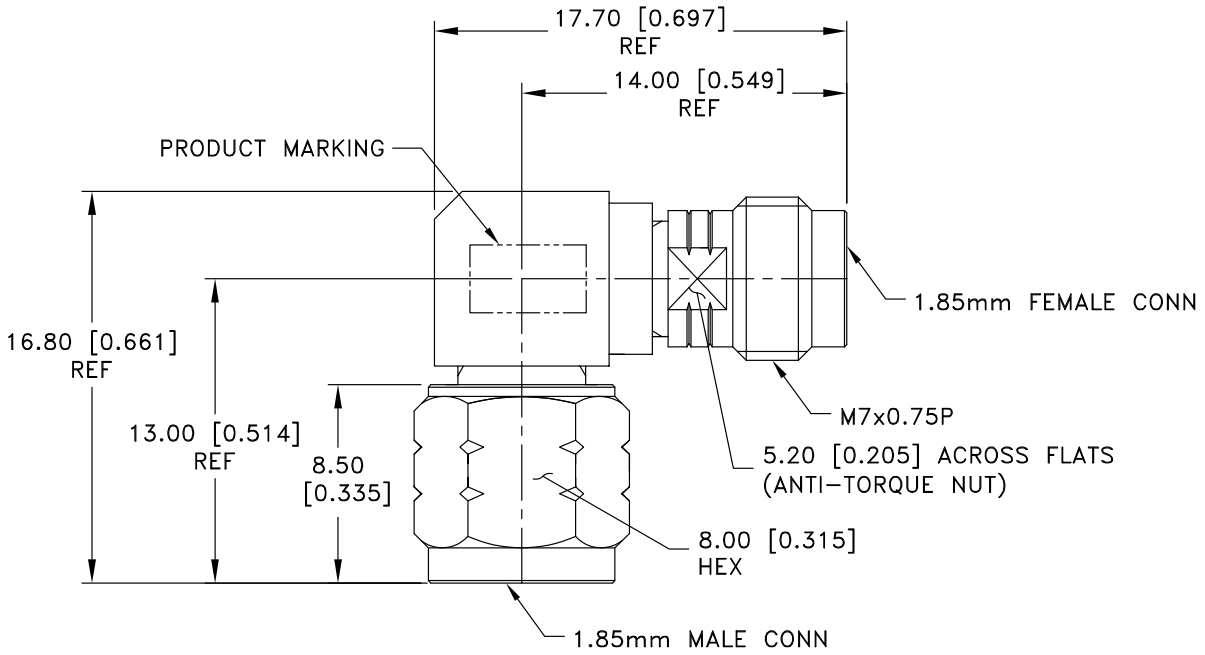
CONNECTOR SPECIFICATIONS

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

CASE STYLE DRAWING



Weight: 7.6 grams
Dimensions are in mm [inches]. Tolerances: 2 Pl.±0.40 mm

PRODUCT MARKING*: 185FR-185M+

* 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	DJ3764-2
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