

**KEY FEATURES**

- Wideband, DC to 90 GHz
- Low Insertion Loss, 0.27 dB Typ.
- Excellent VSWR, 1.08:1 Typ.
- Straight Body



Generic photo used for illustration purposes only

**PRODUCT OVERVIEW**

Mini-Circuits' 10F-135F+ is a coaxial 1.0 mm Female to 1.35 mm Female adapter supporting a wide range of applications from DC to 90 GHz. This model provides excellent VSWR and low insertion loss versus frequency. The 10F-135F+ features passivated stainless-steel construction and measures only 0.66" in length.

**ELECTRICAL SPECIFICATIONS AT +25°C**

Parameter	Frequency (GHz)	Min.	Typ.	Max.	Units
Frequency Range		DC		90	GHz
Insertion Loss	0.01-30	-	0.13	0.66	dB
	30-60	-	0.28	0.66	
	60-90	-	0.41	0.66	
VSWR	0.01-30	-	1.06	1.32	:1
	30-60	-	1.07	1.32	
	60-90	-	1.11	1.32	

**ABSOLUTE MAXIMUM RATINGS<sup>1</sup>**

Operating Case Temperature	-55°C to +100°C
Storage Temperature	-55°C to +100°C

1. Permanent damage may occur if any of these limits are exceeded.



COAXIAL

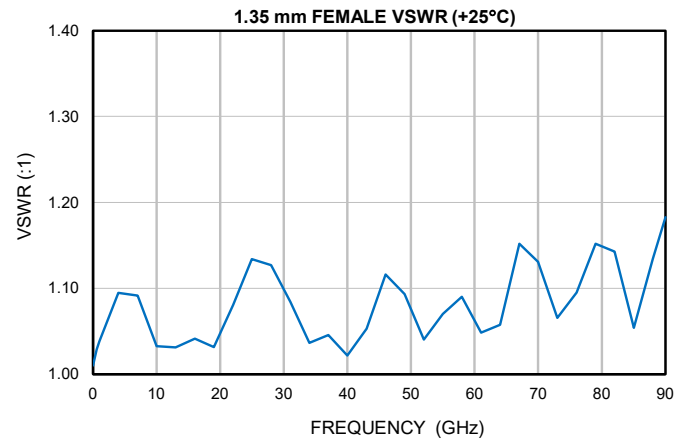
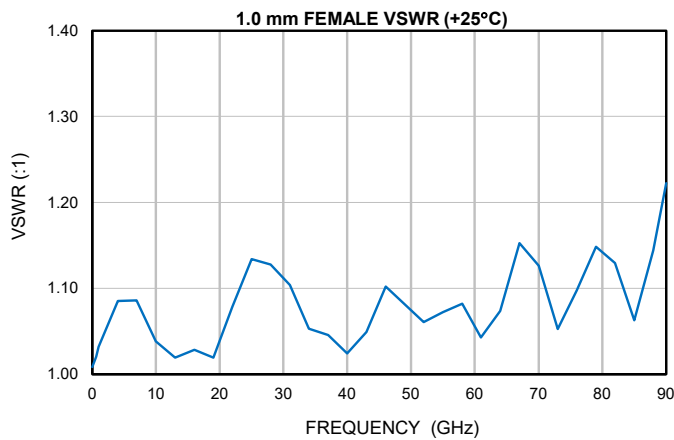
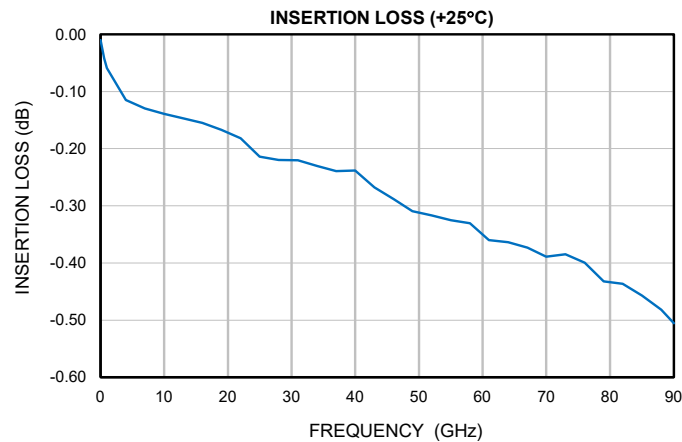
# Adapter

10F-135F+

Mini-Circuits

50Ω DC to 90 GHz 1.0 mm-Female to 1.35 mm-Female

## TYPICAL PERFORMANCE GRAPHS





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# Adapter

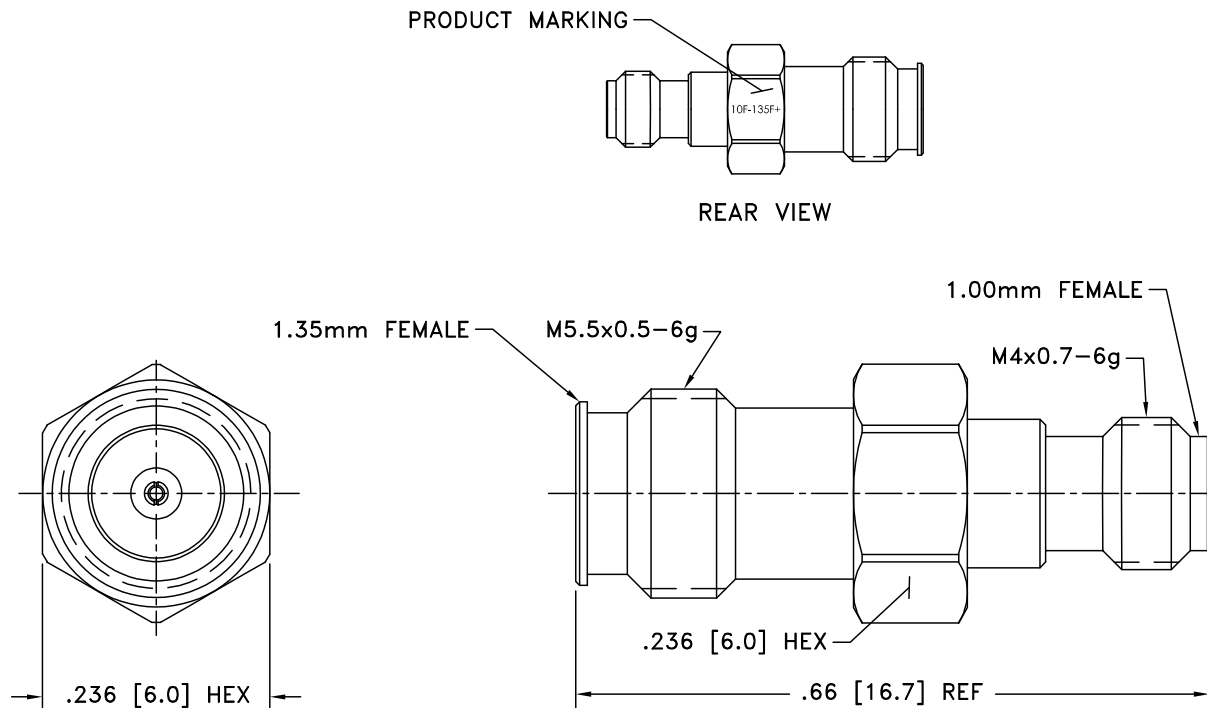
10F-135F+

50Ω DC to 90 GHz 1.0 mm-Female to 1.35 mm-Female

## CONNECTOR SPECIFICATIONS

Description	Connector 1	Connector 2
Connector Type	1.0 mm Female	1.35 mm Female
Orientation	Straight	Straight

## CASE STYLE DRAWING



Weight: 1.8 grams

Dimensions are in inches [mm]. Tolerances: 2 Pl.±.03; 3 Pl. ± .015 inches

## PRODUCT MARKING\*: 10F-135F+

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





ADDITIONAL INFORMATION IS AVAILABLE ON OUR DASHBOARD

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Performance Data & Graphs	Data
	Graphs
	S-Parameter (S2P Files) Data Set (.zip file)
Case Style	DJ3602-3
RoHS Status	Compliant
Environmental Ratings	ENV89

## 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](http://www.minicircuits.com/terms/viewterm.html)

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