



# RF Adapters Technical Data Sheet

ET1214

7

# Configuration

- BNC Male Connector 1
- F Female Connector 2

- 50 Ohms, 75 Ohms
- Straight Body Geometry

### Features

Max VSWR of 1.5:1 up to 300 MHz

Gold Plated Brass Contact

## Applications

• Allows Connection Between Series

General Purpose Test

#### Description

Ebeestock's ET12147 50 ohm BNC male to 75 ohm type F female adapter is part of our full line of RF components available for same-day shipping. ET12147 BNC male to type F female adapter operates to 300 MHz. The Ebeestock RF adapter provides good VSWR of 1.5:1 maximum.

RF adapters are often used to enable connections between two connector types that would otherwise not mate. Certain adapter configurations can also be used to protect connectors on expensive equipment where the number of connect/disconnect cycles is high. An RF, microwave or millimeter wave adapter is connected to the equipment, and the commonly changed connection is made with the adapter which can be easily replaced when it wears out after high usage; such adapters are referred to as connector savers. Ebeestock also offers bulkhead, panel mount, hermetically sealed, reverse polarity, and isolated ground adapter varieties to serve all of your RF, microwave and millimeter wave needs.

Frequency Range	DC		300	MHz
VSWR		1.29:1	1.5:1	
Operating Voltage (AC)			500	Vrms
Dielectric Withstanding Voltage (AC)			1,500	Vrms

#### Mechanical Specifications

Size

 Length
 1.213 in [30.81 mm]

 Width
 0.571 in [14.5 mm]

 Weight
 0.037 lbs [16.78 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: 50 Ohm BNC Male to 75 Ohm F Female Adapter ET12147





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Description	Connector 1	Connector 2	
Type	BNC Male	F Female	
Polarity	Standard	Standard	
Interface Specification	MIL-STD-348A		
Mating Cycles	500	500	

#### Material Specifications

Connector 1		Connector 2	
Material	Plating	Material	Plating
BNC Male		F Female	
Brass	Gold	Brass	Gold
	30 μ-in minimum		
PTFE		PTFE	
Outer Conductor		Brass	Nickel
			100 μ-in minimum
Brass	Nickel		
	100 μ-in minimum		
Brass	Nickel		
	100 μ-in minimum		
	Material BNC Male Brass  PTFE  Brass	MaterialPlatingBNC MaleGoldBrassGold30 μ-in minimumPTFEBrassNickel100 μ-in minimumBrassNickel	MaterialPlatingMaterialBNC MaleF FemaleBrassGoldBrass30 μ-in minimumPTFEPTFEPTFEBrassBrassNickel 100 μ-in minimumBrassNickel

#### **Environmental Specifications**

Temperature

Operating Range -40 to +60 deg C

Vibration Vibration MIL-STD-202, Method 204, Condition D

Compliance Certifications (see product page for current document)

## Plotted and Other Data

Notes:

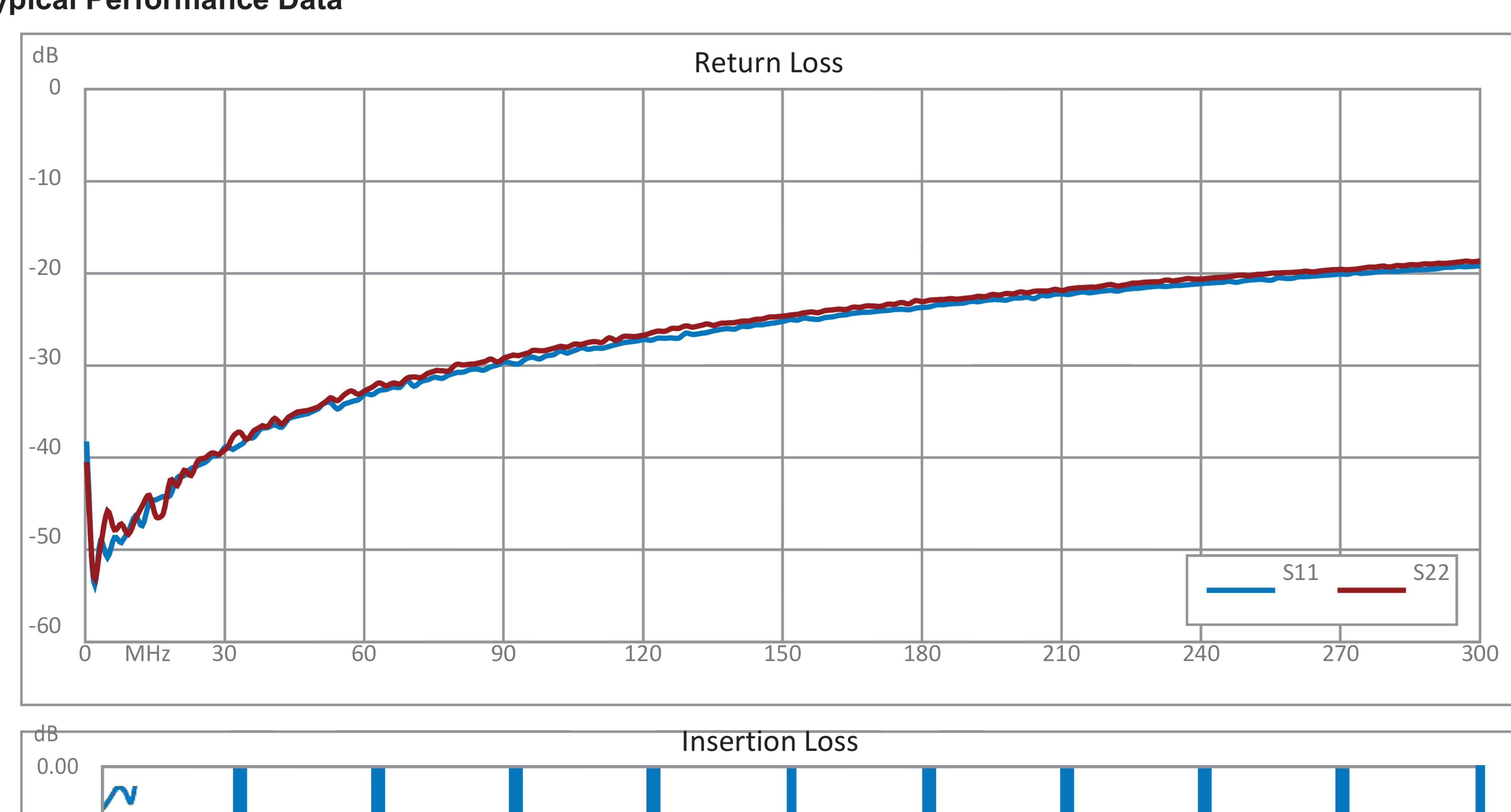
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: 50 Ohm BNC Male to 75 Ohm F Female Adapter ET12147

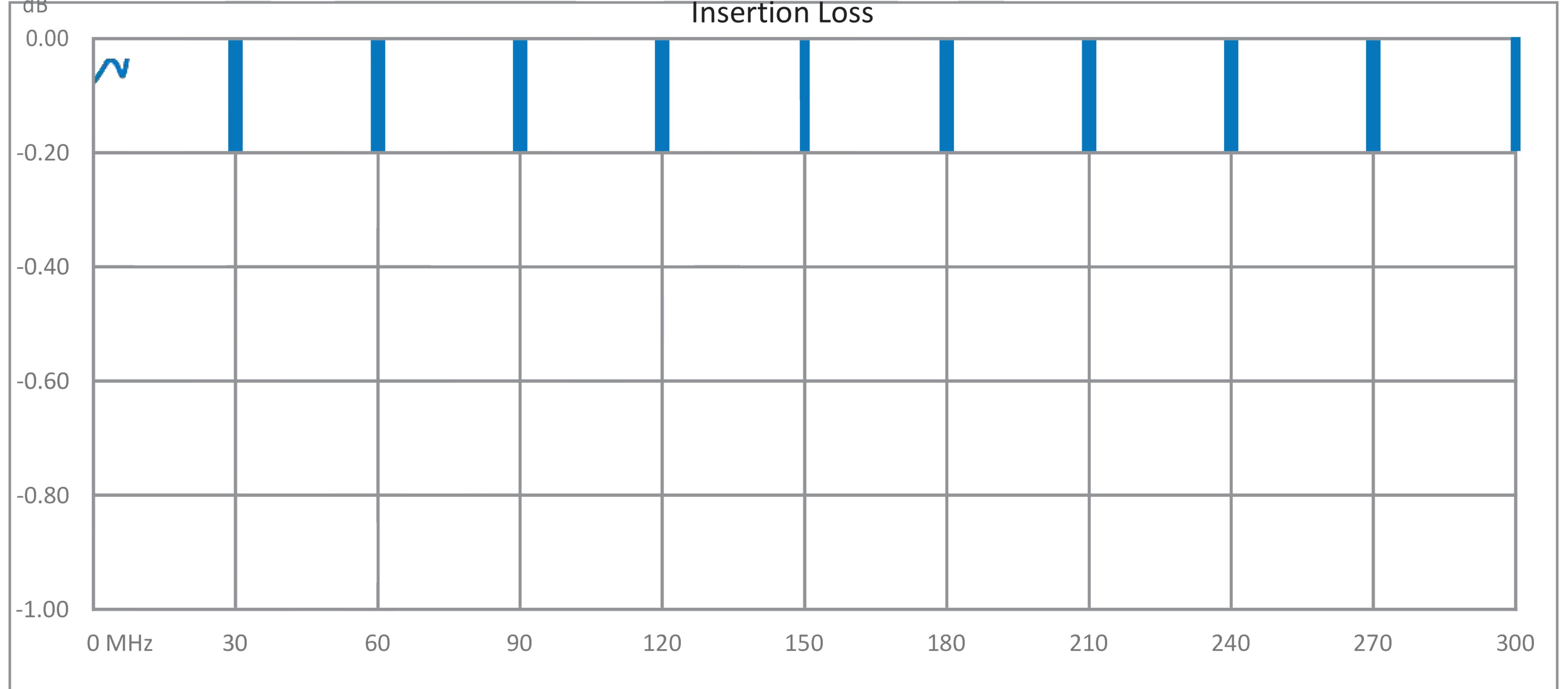




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#### Typical Performance Data





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50 Ohm BNC Male to 75 Ohm F Female Adapter from Ebeestock Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

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URL: https://www.ebeestock.com/50-ohm-bnc-male-to-75-ohm-f-female-adapter-0012147

The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Ebeestock reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Ebeestock does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Ebeestock does not assume any liability arising out of the use of any part or documentation.

ET12147 CAD Drawing
50 Ohm BNC Male to 75 Ohm F Female Adapter

