

50 Ohm BNC Male to 75 Ohm F Female Adapter

50 ohm BNC male to 75 ohm type F female adapter part number SM3591 from Fairview Microwave is in-stock and ships same day. This Fairview BNC to type F adapter has a male to female gender configuration. SM3591 BNC male to type F female adapter operates to 1,000 MHz. The Fairview Microwave RF adapter provides good VSWR of 1.5:1 maximum.

RF adapters can be used to enable connections between two connector types that would otherwise not mate. Certain RF adapter configurations can also be used to protect connectors on expensive equipment where the number of connect and 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. Fairview Microwave 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.

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	DC		1,000	MHz
VSWR			1.5:1	
Operating Voltage (AC)			500	Vrms

Electrical Specification Notes:
 Values at 25°C, sea level.

Mechanical Specifications

Size	
Length	1.213 in [30.81 mm]
Width	0.571 in [14.5 mm]
Weight	0.03131 lbs [14.2 g]

Description	Connector 1	Connector 2
Type	BNC Male	F Female
Polarity	Standard	Standard



Configuration:

- BNC Male Connector 1
- F Female Connector 2
- 50 Ohms, 75 Ohms
- Straight Body Geometry

Features:

- VSWR of 1.5:1 max up to 1,000 MHz
- 30 µin minimum contact plating
- Gold Plated Brass Contact

Applications:

- Enables Between Series Connections
- General Purpose Test

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Material Specifications

Description	Connector 1	Connector 2
Type	BNC Male	F Female
Contact Material	Brass	Brass
Contact Plating	Gold	Gold
Contact Plating Spec.	30 µin minimum	30 µin minimum
Insulation Material	PTFE	PTFE
Outer Contact Material		Brass
Outer Contact Plating		Nickel
Outer Conductor Contact Spec.		100 µin minimum
Body Material	Brass	
Body Plating	Nickel	
Body Plating Spec.	100 µin minimum	
Coupling Nut Material	Brass	
Coupling Nut Plating	Nickel	
Coupling Nut Plating Spec.	100 µin minimum	

Environmental Specifications

Temperature

Operating Range

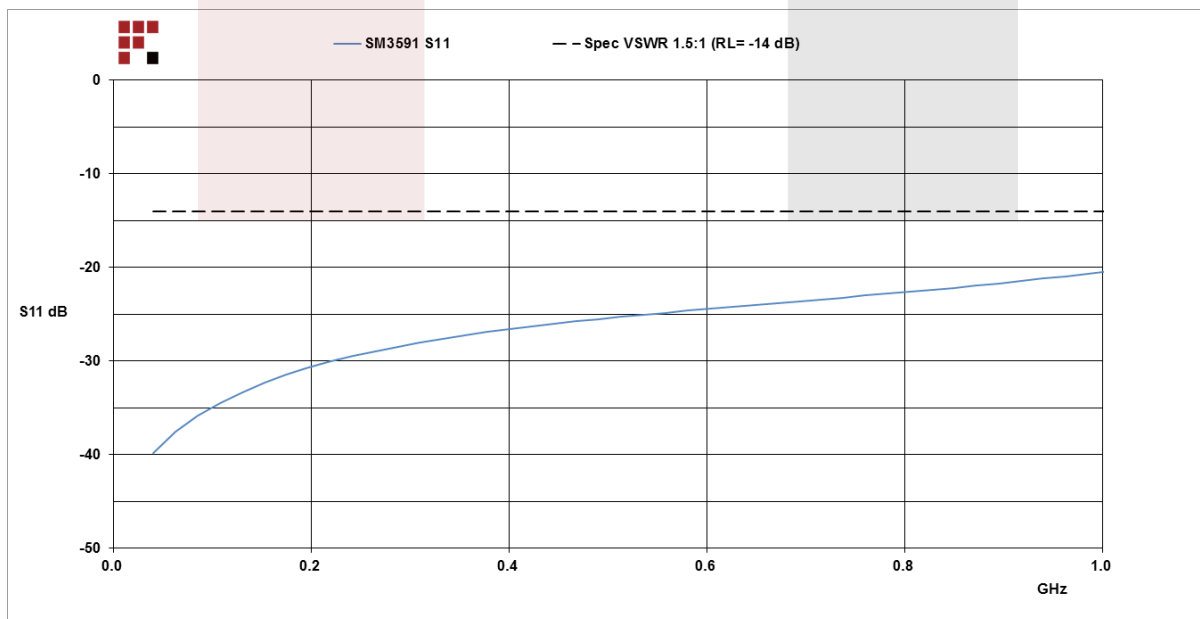
-40 to +60 deg C

Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

Typical Performance Data



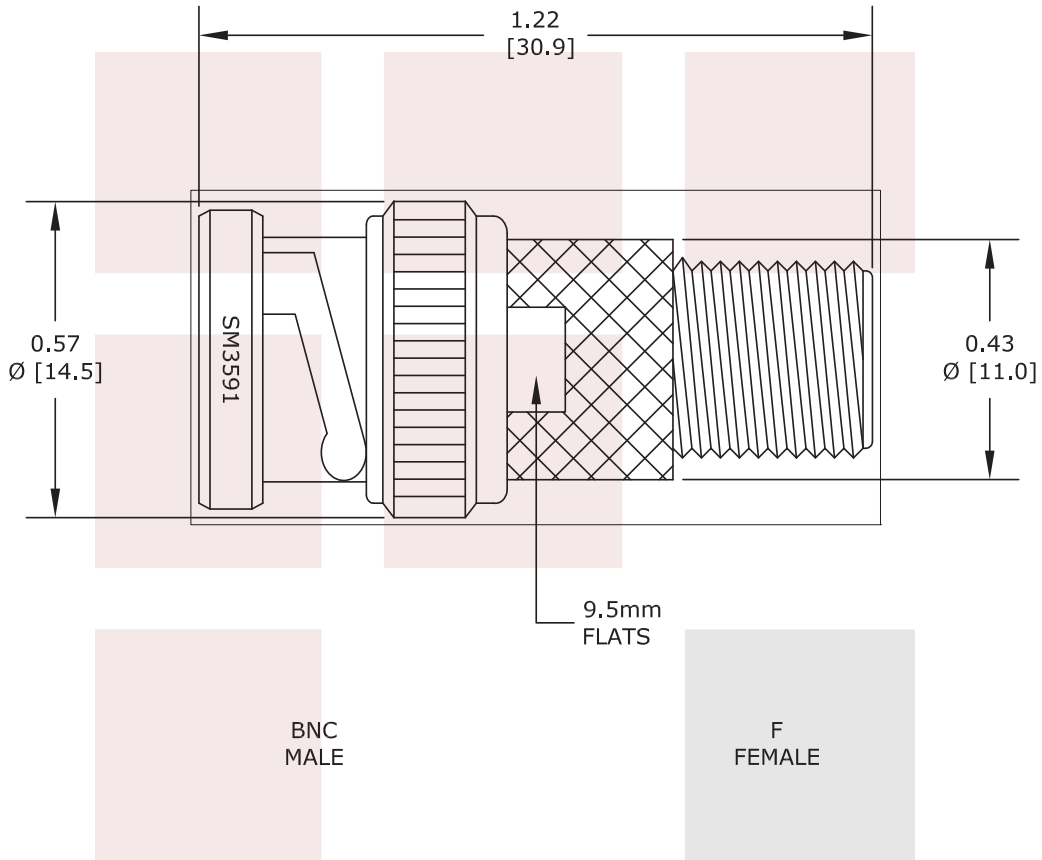
50 Ohm BNC Male to 75 Ohm F Female Adapter from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [50 Ohm BNC Male to 75 Ohm F Female Adapter SM3591](#)

URL: <https://www.fairviewmicrowave.com/50-ohm-bnc-male-75-ohm-f-female-adapter-sm3591-p.aspx>

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. Fairview Microwave reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Fairview Microwave does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Fairview Microwave does not assume any liability arising out of the use of any part or documentation.





STANDARD TOLERANCES	
.X	±0.2
.XX	±0.1
.XXX	±0.05

*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES

FAIRVIEW MICROWAVE INC. ALLEN, TX 75013 WWW.FAIRVIEWMICROWAVE.COM		NOTES: 1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL. 2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME. 3. DIMENSIONS ARE IN INCHES [mm].			
TITLE 50 Ohm BNC Male to 75 Ohm F Female Adapter		DWG NO SM3591		CAGE CODE 3FKR5	
CAD FILE	121615	SHEET	SCALE	N/A	SIZE A 150