

Bulkhead SMA Female (Jack) to BNC Female (Jack) Adapter, Nickel Plated Brass Body, High Temp, 1.3 VSWR

Bulkhead SMA female to BNC female adapter part number SM4701 from Fairview Microwave is in-stock and ships same day. This Fairview SMA to BNC adapter has a female to female gender configuration. SM4701 SMA female to BNC female adapter operates to 4 GHz. The Fairview Microwave RF adapter provides good VSWR of 1.3:1 maximum. The SMA connector mates mechanically with commercially available 3.5mm and 2.92mm (K) connectors. Our RF SMA bulkhead to BNC adapter allows designers to create external connections on their product enclosures, and can be used in a variety of other rack mount and panel mount applications.

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		4	GHz
VSWR			1.3:1	

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

Mechanical Specifications

Size	
Length	1.320 in [33.5 mm]
Weight	0.0355 lbs [16.1 g]

Description	Connector 1	Connector 2
Type	SMA Female	BNC Female
Polarity	Standard	Standard
Interface Specification	MIL-STD-348	MIL-STD-348

Material Specifications

Description	Connector 1	Connector 2
Type	SMA Female	BNC Female
Contact Plating	Gold	Gold
Contact Plating Spec.	MIL-G-45204	MIL-G-45204
Insulation Material	PTFE	PTFE
Outer Contact Material	Brass	Brass
Outer Contact Plating	Nickel	Nickel
Outer Contact Plating Spec.	QQ-N-290	QQ-N-290



Configuration:

- SMA Female Connector 1
- BNC Female Connector 2
- 50 Ohm
- Straight Body Geometry
- Bulkhead Mount Method

Features:

- VSWR of 1.3:1 max up to 4 GHz
- SMA interface meets MIL-STD-348
- BNC interface meets MIL-STD-348
- Contact plating according to MIL-G-45204

Applications:

- Enables Between Series Connections
- General Purpose Test
- Rack Mounted Equipment

Fairview Microwave
301 Leora Ln., Suite 100
Lewisville, TX 75056
Tel: 1-800-715-4396 / (972) 649-6678
Fax: (972) 649-6689
www.fairviewmicrowave.com
sales@fairviewmicrowave.com

Environmental Specifications

Temperature

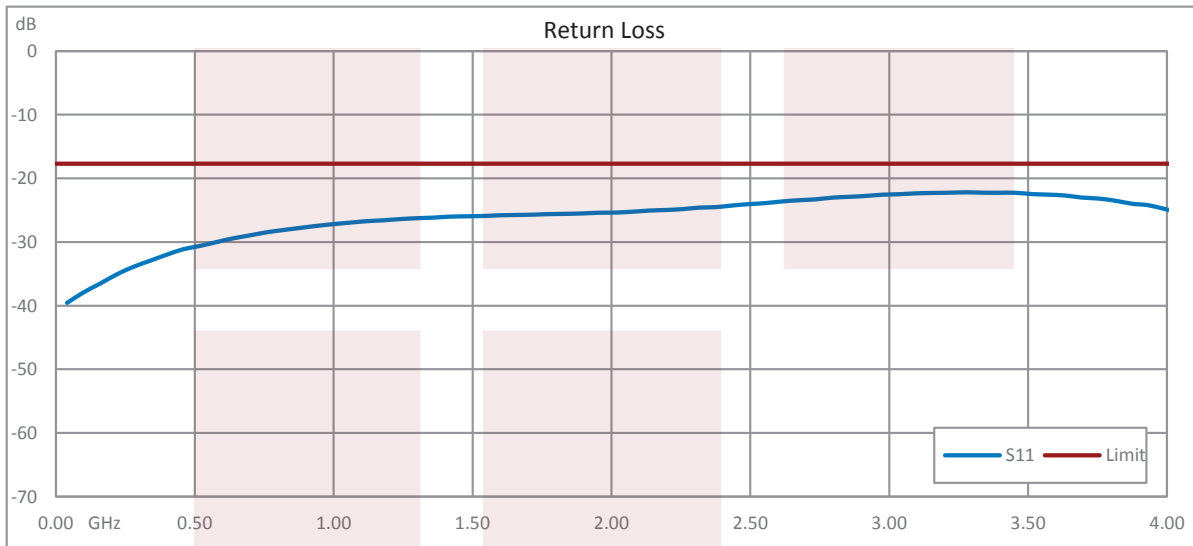
Operating Range -65 to +165 deg C

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

Plotted and Other Data

Notes:

Typical Performance Data



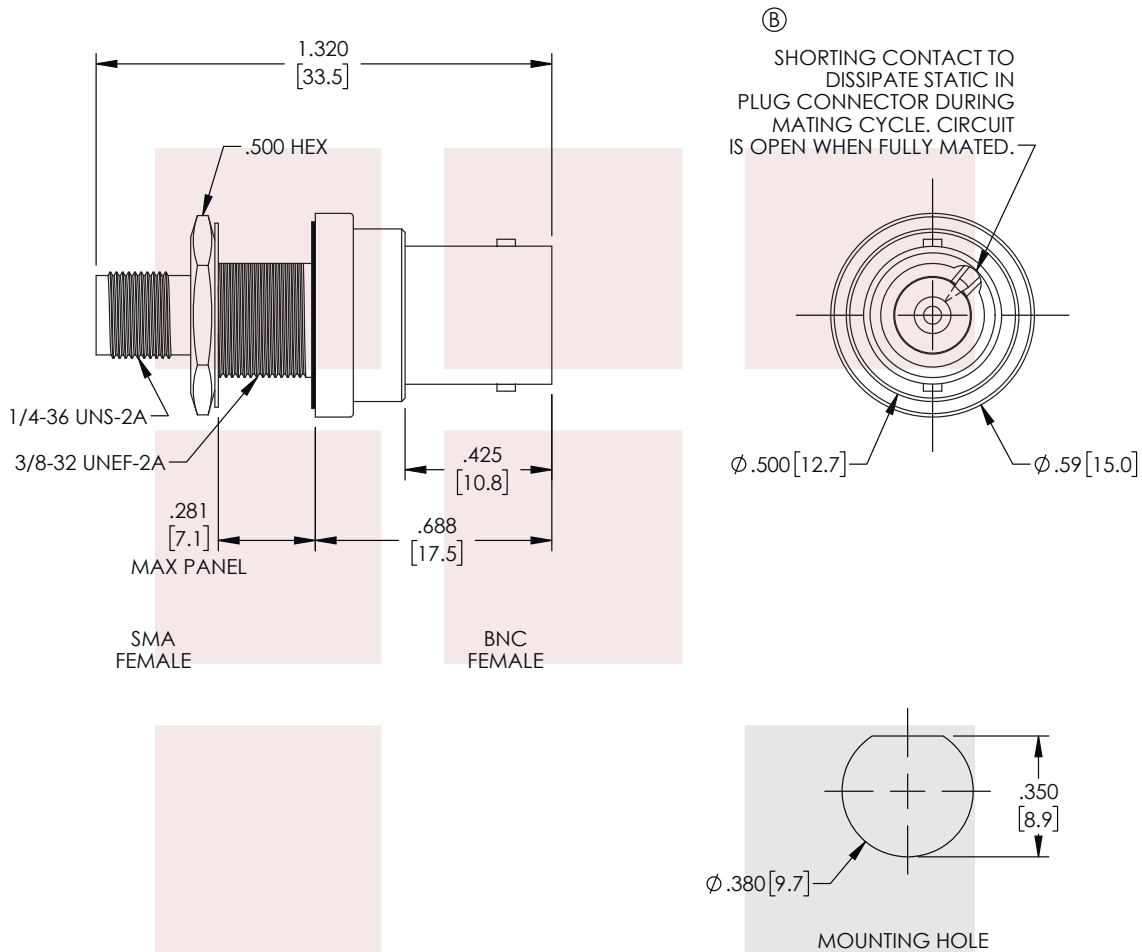
Bulkhead SMA Female (Jack) to BNC Female (Jack) Adapter, Nickel Plated Brass Body, High Temp, 1.3 VSWR from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [Bulkhead SMA Female \(Jack\) to BNC Female \(Jack\) Adapter, Nickel Plated Brass Body, High Temp, 1.3 VSWR SM4701](#)

URL: <https://www.fairviewmicrowave.com/bulkhead-sma-female-bnc-female-adapter-sm4701-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.

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
B	ADD SHORTING CONTACT CALLOUT	6/25/21	DCLEMENT



THESE COMMODITIES, TECHNOLOGY OR SOFTWARE WERE EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH THE EXPORT ADMINISTRATION REGULATIONS. DIVERSION CONTRARY TO U.S. LAW PROHIBITED.

TITLE

Bulkhead SMA Female (Jack) to BNC Female (Jack) Adapter, Nickel Plated Brass Body, High Temp, 1.3 VSWR

UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES
DIMENSIONS IN [] ARE MILLIMETERS

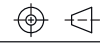
TOLERANCES:

.X = ±.2 [5.08] FRACTIONS ± 1/32
.XX = ±.10 [2.5]
.XXX = ±.050 [1.27] ANGLES ± 1°

CABLE LENGTH (L) TOLERANCES:

L ≤ 12 [305] = +1 [25] / -0
12 [305] < L ≤ 60 [1524] = +2 [51] / -0
60 [1524] < L ≤ 120 [3048] = +4 [102] / -0
120 [3048] < L ≤ 300 [7620] = +6 [152] / -0
300 [7620] < L = +5%L / -0

THIRD-ANGLE PROJECTION



THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF FAIRVIEW MICROWAVE CORPORATION. ALL RIGHTS RESERVED.

SHEET 1 OF 1

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

SCALE

N/A

SIZE A	CAGE CODE 3FKR5	DRAWN BY DMAY	ITEM NO. SM4701	REV B
------------------	---------------------------	-------------------------	---------------------------	-----------------

T-Rev.D