

## SMC Female to BNC Male Adapter

SMC female to BNC male adapter part number SM3686 from Fairview Microwave is in-stock and ships same day. This Fairview SMC to BNC adapter has a female to male gender configuration. SM3686 SMC female to BNC male adapter operates to 4 GHz. The Fairview Microwave RF adapter provides good VSWR of 1.35:1 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		4	GHz
VSWR			1.35:1	

### Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency Range	DC to 2	2 to 4				GHz
VSWR, Max	1.2:1	1.35:1				

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

### Mechanical Specifications

<b>Size</b>	
Length	1.2 in [30.48 mm]
Width	0.57 in [14.48 mm]
Weight	0.03086 lbs [14 g]

Description	Connector 1	Connector 2
Type	SMC Female	BNC Male
Polarity	Standard	Standard
Interface Specification	MIL-STD-348A	MIL-STD-348A



### Configuration:

- SMC Female Connector 1
- BNC Male Connector 2
- 50 Ohms
- Straight Body Geometry

### Features:

- VSWR of 1.35:1 max up to 4 GHz
- SMC interface meets MIL-STD-348A
- BNC interface meets MIL-STD-348A
- Contact plating according to MIL-G-45204
- Gold Plated Brass Contact

### Applications:

- Enables Between Series Connections
- General Purpose Test

Fairview Microwave  
 1130 Junction Dr. #100  
 Allen, TX 75013  
 Tel: 1-800-715-4396 / (972) 649-6678  
 Fax: (972) 649-6689  
[www.fairviewmicrowave.com](http://www.fairviewmicrowave.com)  
[sales@fairviewmicrowave.com](mailto:sales@fairviewmicrowave.com)

**Material Specifications**

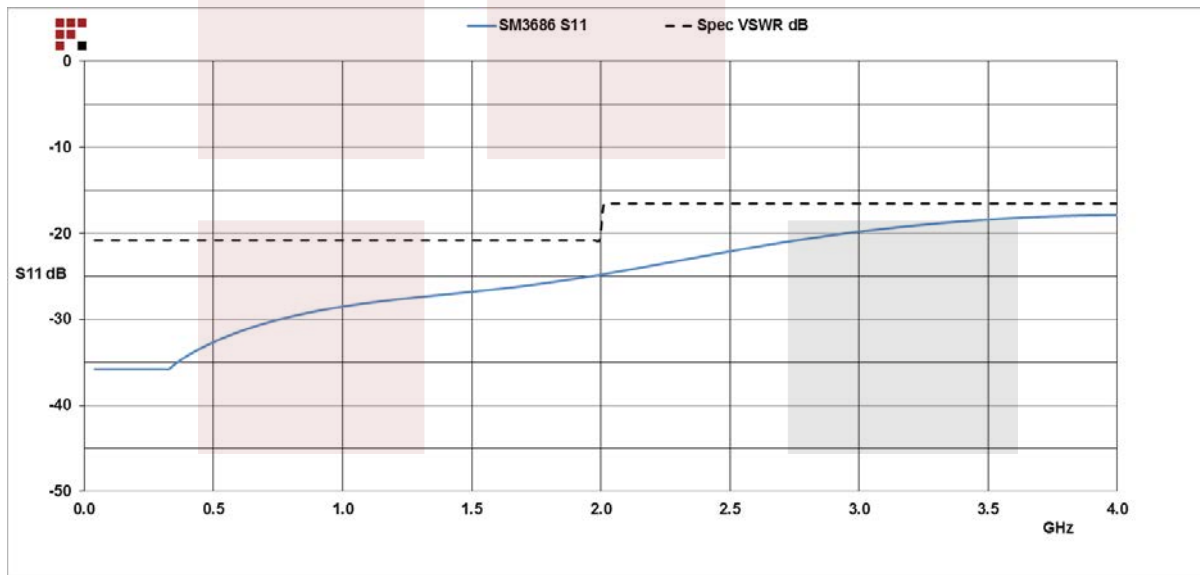
Description	Connector 1	Connector 2
Type	SMC Female	BNC Male
Contact Material	Brass	Brass
Contact Plating	Gold	Gold
Contact Plating Spec.	MIL-G-45204	MIL-G-45204
Insulation Material	PTFE	PTFE
Outer Contact Material	Brass	
Outer Contact Plating	Nickel	
Body Material	Brass	Brass
Body Plating	Nickel	Nickel
Coupling Nut Material		Brass
Coupling Nut Plating		Nickel

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

**Plotted and Other Data**

Notes:

**Typical Performance Data**



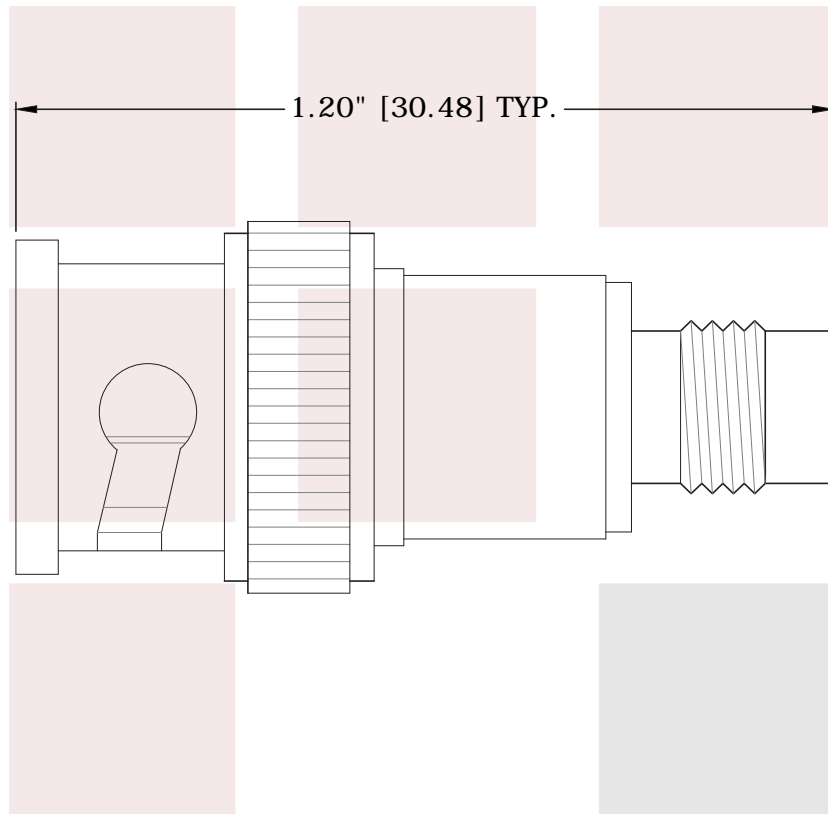
SMC Female to BNC Male Adapter from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [SMC Female to BNC Male Adapter SM3686](#)

URL: <https://www.fairviewmicrowave.com/smc-female-bnc-male-adapter-sm3686-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.





<b>FAIRVIEW MICROWAVE INC.</b> 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 SMC Female to BNC Male Adapter		DWG NO <b>SM3686</b>		CAGE CODE <b>3FKR5</b>	
CAD FILE	061815	SHEET	SCALE	N/A	SIZE A 5568