



SMB Plug to BNC Female Adapter

SMB plug to BNC female adapter part number SM3633 from Fairview Microwave is in-stock and ships same day. This Fairview SMB to BNC adapter has a plug to female gender configuration. SM3633 SMB plug to BNC female adapter operates to 4 GHz. The Fairview Microwave RF adapter provides good VSWR of 1.3:1 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 | Тур | Max | Units | | |
|------------------------|-----|-----|-------|-------|--|--|
| Frequency Range | DC | | 4 | GHz | | |
| VSWR | | | 1.3:1 | | | |
| Operating Voltage (AC) | | | 335 | Vrms | | |

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

Mechanical Specifications

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|---|-----|----|
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| OIZC | |
|--------|---------------------|
| Length | 1.26 in [32 mm] |
| Width | 0.453 in [11.51 mm] |
| Weight | 0.029 lbs [13.15 g] |

| Description | Connector 1 | Connector 2 | |
|-------------------------|--------------|--------------|--|
| Туре | SMB Plug | BNC Female | |
| Polarity | Standard | Standard | |
| Interface Specification | MIL-STD-348A | MIL-STD-348A | |



Configuration:

- SMB Plug Connector 1
- BNC Female Connector 2
- 50 Ohm
- Straight Body Geometry

Features:

- VSWR of 1.3:1 max up to 4 GHz
- SMB interface meets MIL-STD-348A
- BNC interface meets MIL-STD-348A
- 30 µin minimum contact plating
- Gold Plated Beryllium Copper Contact

Applications:

- Enables Between Series Connections
- · General Purpose Test

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Material Specifications

| Description | Connector 1 | Connector 2 | | | |
|-----------------------------|------------------|------------------|--|--|--|
| Туре | SMB Plug | BNC Female | | | |
| Contact Material | Beryllium Copper | Beryllium Copper | | | |
| 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 Spe | ec. | 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 μ-in minimum | | | | |

Environmental Specifications

Temperature

Operating Range

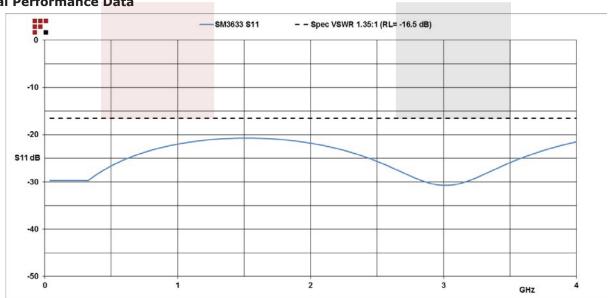
-65 to +165 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:









SMB Plug to BNC 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 ondemand.

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

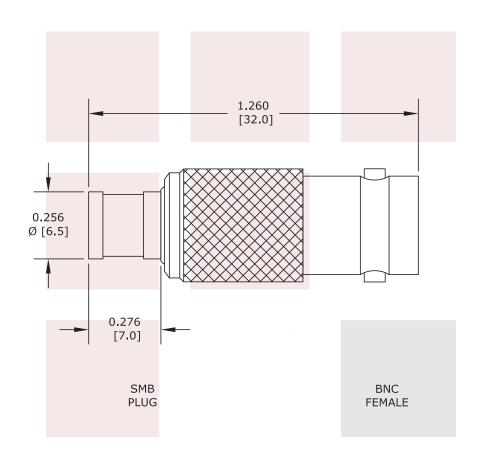
For additional information on this product, please click the following link: SMB Plug to BNC Female Adapter SM3633

URL: https://www.fairviewmicrowave.com/smb-male-bnc-female-adapter-sm3633-p.aspx

| to implem | ent improv | ements. | Fairview | Microwa | ave reserve | es the righ | nt to m | ake sud | ch ch | anges | as req | uire | d. Unles | ss otl | nerwise |
|-------------|-------------|-----------|------------|-----------|-------------|-------------|---------|---------|-------|--------|--------|------|----------|--------|-----------|
| stated, all | specificat | ions are | nominal. | Fairvie | w Microwa | ve does n | ot mak | ke any | repre | sentat | ion or | wai | ranty re | gard | ing the |
| suitability | of the par | t describ | ed hereir | n for any | particular | purpose, | and Fa | airview | Micr | owave | does | not | assume | any | liability |
| arising ou | t of the us | e of any | part or do | ocument | ation. | | | | | | | | | | |
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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]. | | | | | IY TIME. | |
|--|--|-------|------|-------|-----------------|----------|--|
| SMB Plug to BNC Female Adapter | DWG NO SM3633 | | | | CAGE CODE 3FKR5 | | |
| | CAD FILE 121715 | SHEET | SCAL | E N/A | SIZE A | 150 | |