

SMA Plug to BNC Jack, 4GHz, 1.2 VSWR



SM4724

Configuration

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

Features

- VSWR of 1.2:1 max up to 4 GHz
- SMA interface meets MIL-STD-348B
- BNC interface meets MIL-STD-348B
- Contact plating according to MIL-G-45204
- Gold Plated Beryllium Copper Contact

Applications

- Enables Between Series Connections
- General Purpose Test

Description

SMA male to BNC female adapter part number SM4724 from Fairview Microwave is in-stock and ships same day. This Fairview SMA to BNC adapter has a male to female gender configuration. SM4724 SMA male to BNC female adapter operates to 4 GHz. The Fairview Microwave RF adapter provides excellent VSWR of 1.2:1 maximum. The SMA connector mates mechanically with commercially available 3.5mm and 2.92mm (K) connectors.

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	Minimum	Typical	Maximum	Units
Frequency Range	DC		4	GHz
Impedance		50		Ohms
VSWR			1.2:1	
Operating Voltage (AC)			335	Vrms
Dielectric Withstanding Voltage (AC)			1,500	Vrms
Insulation Resistance	5,000			MOhms

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

Mechanical Specifications

Size

Description	Connector 1	Connector 2
Polarity	Standard	Standard
Interface Specification	MIL-STD-348B	MIL-STD-348B

SMA Plug to BNC Jack, 4GHz, 1.2 VSWR



SM4724

Description	Connector 1	Connector 2
Mating Cycles, Min	500	500
Mating Torque	7 to 9.5 in-lbs 0.79 to 1.07 Nm	0.6 to 2.5 in-lbs 0.07 to 0.28 Nm

Material Specifications

Description	Connector 1		Connector 2	
	Material	Plating	Material	Plating
Type	SMA Male		BNC Female	
Contact	Beryllium Copper	Gold MIL-G-45204	Beryllium Copper	Gold MIL-G-45204
Insulation	PTFE		PTFE	
Outer Conductor			Passivated Stainless Steel	
Body	Passivated Stainless Steel			
Coupling Nut	Passivated Stainless Steel			

Environmental Specifications

Temperature

Operating Range	-65 to +165 °C
Thermal Shock	MIL-STD-202, Method 107, Condition B
Salt Spray	MIL-STD-202, Method 106

Environmental Specification Notes:

Corrosion MIL-STD-202, Method 101, Condition B

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

Plotted and Other Data

SMA Plug to BNC Jack, 4GHz, 1.2 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: [SMA Plug to BNC Jack, 4GHz, 1.2 VSWR SM4724](#)

URL: <https://www.fairviewmicrowave.com/product/rf-adapters/sma-male-to-bnc-female-adapter-with-passivated-stainless-steel-body-sm4724>

The information contained within 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 liability arising out of the use of any part or document.

SM4724 CAD Drawing
SMA Plug to BNC Jack, 4GHz, 1.2 VSWR

