

SM4721 DATA SHEET

SMA Male to BNC Female Adapter

SMA male to BNC female adapter part number SM4721 from Fairview Microwave is in-stock and ships same day. This Fairview SMA to BNC adapter has a male to female gender configuration. SM4721 SMA male to BNC female adapter operates to 4 GHz. The SMA connector mates mechanically with commercially available 3.5mm and 2.92mm (K) connectors. The Fairview Microwave RF adapter provides excellent VSWR of 1.2:1 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 connnector 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			1.2:1	
Operating Voltage (AC)			500	Vrms

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

Mechanical Specifications

Size Length Width Height		0	.09 in [27.69 mm] .492 in [12.5 mm] .492 in [12.5 mm]		
Weight	0.02425 lbs [11 g]				
Description	Connect	or 1	Connector 2		
Туре	SMA M	ale	BNC Female		
Polarity	Standard		Standard		
Interface Specification	MIL-STD-348A		MIL-STD-348A		
Mating Cycles	500		500		
Hex Size	5/16 inch				
Mating Torque	3 to 5 in	-lbs			
	[0.34 to 0.5	57 Nm]			



Configuration:

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

Features:

- VSWR of 1.2:1 max up to 4 GHz
- SMA interface meets MIL-STD-348A
- BNC interface meets MIL-STD-348A
- 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 sales@fairviewmicrowave.com





Material Specifications

Connector 1	Connector 2	
SMA Male	BNC Female	
Brass	Brass	
Gold	Gold	
PTFE	PTFE	
	Brass	
	Nickel	
ec.	100 µin minimum	
Brass		
Nickel		
100 µin minimun	1	
Brass		
Nickel		
100 µin minimun	1	
	SMA Male Brass Gold PTFE ec. Brass Nickel 100 µin minimum Brass	

Environmental Specifications

Temperature Operating Range

-65 to +165 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

SMA Male 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 on-demand.

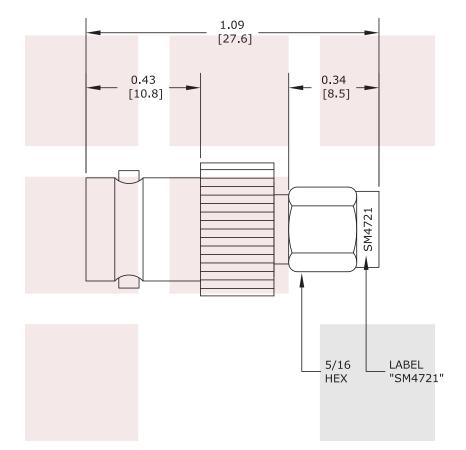
For additional information on this product, please click the following link: SMA Male to BNC Female Adapter SM4721

URL: https://www.fairviewmicrowave.com/sma-male-bnc-female-adapter-sm4721-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.







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™ SMA Male to BNC Female Adapter	DWG NO SM4721			CAGE CODE 3FKR5		
	CAD FILE 111115	SHEET	SCAL	E N/A	SIZE A	150

1130 Junction Dr. #100 Allen, TX 75013 | Tel: 1-800-715-4396 / (972) 649-6678 / Fax: (972) 649-6689