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BNC female to SMA male Right Angle Adapter



### Technical Data Sheet

This BNC female to SMA male right angle adapter is one of several thousand RF products available from Max-Gain Systems, Inc. This adapter is a between series coaxial adapter.

This adapter is made from a Solid Brass body that is precision machined and plated with Nickel for superior performance and value. This BNC female to SMA male right angle adapter has a PTFE dielectric and a gold plated brass center pin. The BNC female provides tabs or “bayonets” for quick and reliable connections and disconnections. The SMA male side’s plug and interior threads provide a sub-miniature and tight-locking connection for use at higher frequencies.

### Material Specifications

BNC female to SMA male Right Angle Adapter		Part Number 7820-RA
Description	Material	Plating
Insulator	PTFE	White
Gasket	Silicone Rubber	Red
Body	Brass	Nickel
Retaining Ring	Phosphor Bronze	Nickel
Insulator	PTFE	White
Center Pin	Phosphor Bronze	Gold

## Mechanical Specifications

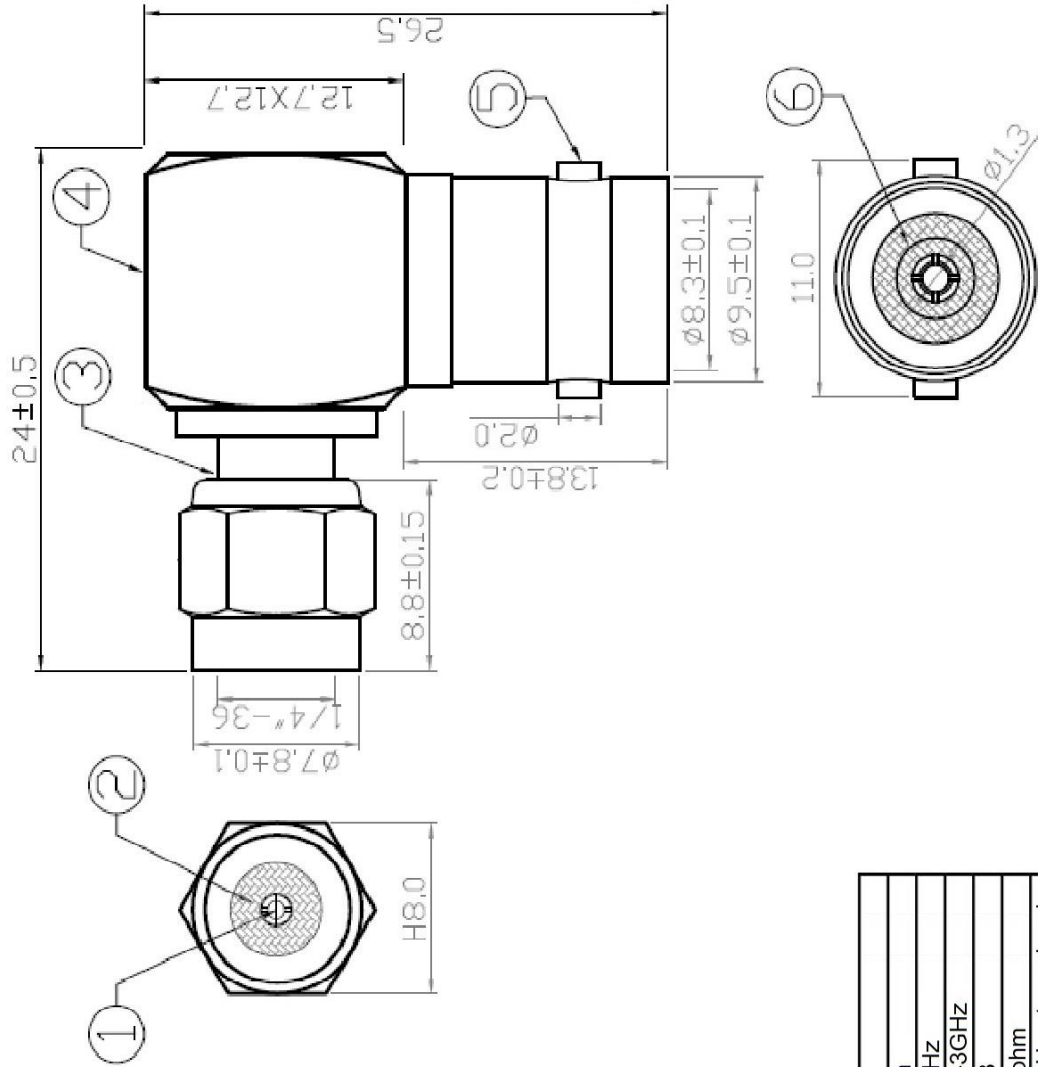
Size	Dimension
Length	1.04 in (26.50 mm)
Width	0.94 in (24 mm)
Height	0.5 in (12.7 mm)
Weight	0.5 oz (15 g)

## Environmental Specifications

Temperature	Spec
Operating Range	-65 to +165 deg C

## Compliance Certifications (see product page for current documentation)

**Availability** Click the following link (or enter part number in the “SEARCH” bar at the top of any page of the website) to obtain additional part information including price, inventory and certifications: <https://mgs4u.com/product/bnc-female-to-sma-male-right-angle-adapter/>



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TITLE: BNC female to SMA male  
 Right Angle Adapter  
 DRAWING NO: 7820-RA  
 CAGE CODE: 7TZZ8

ELECTRICAL	
Impedance	50 ohm
Frequency Range	DC - 4 GHz
VSWR	≤1.25@DC-3GHz
Insertion Loss	≤0.18dB
Dielectric Resistance	≥5000Mohm
Dielectric Withstanding Voltage	750V RMS, 50Hz, at sea level
Working Voltage	480V RMS, 50Hz, at sea level
Center Contact (Res)	≤3mohm SMA; ≤1.5mohm BNC
Outer Contact (Res)	≤2mohm SMA; ≤1mohm BNC

NO.	DESCRIPTION	MATERIAL	FINISH	UNIT: mm	SCALE: .	PART NO	DATE
6	INSULATOR	TEFLON	WHITE			APPROVED	DATE
5	GASKET	SILICONE RUBBER	RED			CHECKED	DATE
4	BODY	BRASS	NICKEL			DRAWN	DATE
3	RETAINING RING	PHOSPHOR BRONZE	NICKEL				
2	INSULATOR	TEFLON	WHITE				
1	PIN	PHOSPHOR BRONZE	GOLD				

UNLESS OTHERWISE SPECIFIED TOLERANCES  
 0.5-5 = ±0.2  
 5-30 = ±0.4  
 30-120 = ±0.6  
 120-315 = ±1  
 315-1000 = ±1.6  
 1000-2000 = ±2.4