



150 Dodd Street SE
 Marietta, GA. 30060

Phone: 770-973-6251
Fax: 678-401-3854

Email: info@mgs4u.com
Website: www.mgs4u.com

SMA male to BNC female Right Angle Adapter



Technical Data Sheet

This SMA male to BNC female 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 SMA male to BNC female right angle adapter has a PTFE dielectric and a gold plated brass center pin. The SMA male side's plug and interior threads provide a sub-miniature and tight-locking connection for use at higher frequencies. The BNC female provides tabs or "bayonets" for quick and reliable connections and disconnections.

Material Specifications

SMA male to BNC female 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

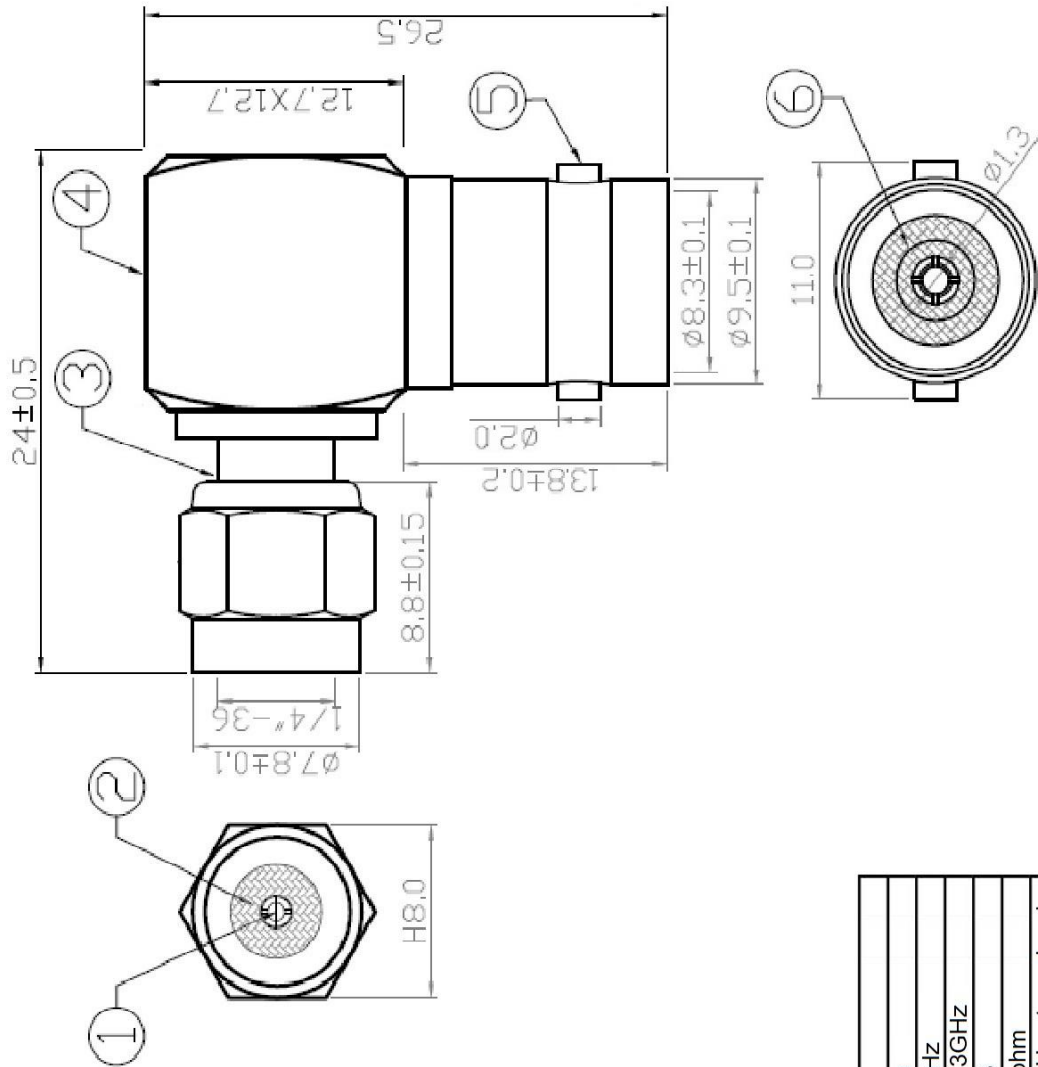
Size	Dimension
Length	1.04 in (26.50 mm)
Width	0.94 in (24 mm)
Height	0.5 in (12.7 mm)
Weight	0.5 oz (15 g)

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/sma-male-to-bnc-female-right-angle-adapter/>



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	UNIT: mm	SCALE: .
6	INSULATOR	TEFLON	WHITE	
5	GASKET	SILICONE RUBBER	RED	
4	BODY	BRASS	NICKEL	
3	RETAINING RING	PHOSPHOR BRONZE	NICKEL	
2	INSULATOR	TEFLON	WHITE	
1	PIN	PHOSPHOR BRONZE	GOLD	

UNLESS OTHERWISE SPECIFIED TOLERANCES	PART NO	DATE
0.5-5 = ±0.2	APPROVED	DATE
5-30 = ±0.4	CHECKED	DATE
30-120 = ±0.6	DRAWN	DATE
120-315 = ±1		
315-1000 = ±1.6		
1000-2000 = ±2.4		

MGS MAX-GAIN SYSTEMS, INC.

Max-Gain Systems, Inc.
 150 Dodd Street SE, Marietta, GA. 30060
 Phone: (770) 973-6251 | Fax: (678) 401-3854
 Website: www.mgs4u.com | E-Mail: sales@mgs4u.com

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