



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.

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