

NOTES:

1. MATING:

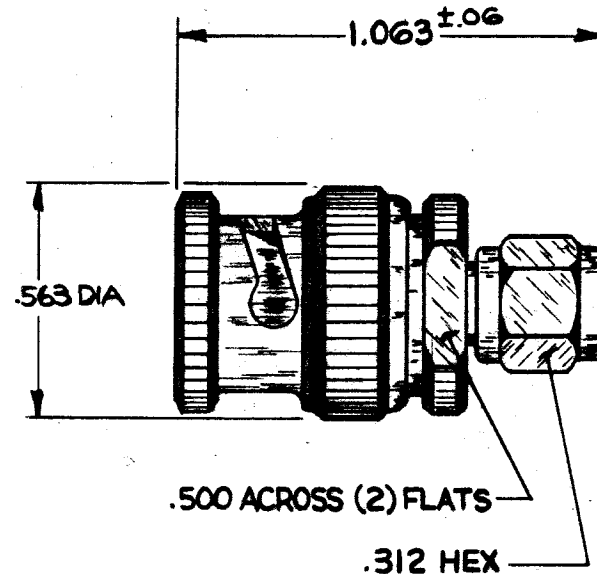
Interface dimensions per Mil-C-39012/SMA and BNC Series and Solitron/Microwave MD-107 and MD-108.

2. MATERIALS:

Body, Coupling Nut: Stainless Steel per **AMS-5640**, Type 303, Cond. A.
 Half Washer and Sleeve: Brass 1/2H., per QQ-B-626, **ALLOY 360**.
 Contacts: Beryllium Copper per QQ-C-530, Cond. HT, Alloy 173.
 Spring Washer: Beryllium Copper per QQ-C-533, Cond. H.T., Alloy 172.
 Lock Ring: Beryllium Copper per QQ-C-530, Cond. H.T. Alloy 173.
 Gasket: Silicone Rubber per ZZ-R-765, Class IIB, Grade 50-60.
 Dielectric: Teflon per Mil-P-19468 and L-P-403, Type I.

3. FINISH:

Body Coupling Nut: Passivate per QQ-P-35A, Type I.
 Contacts: Gold per Mil-G-45204, Type II, Grade C, Class 2; over Copper per Mil-C-14550, Class 4.
 Sleeve and Washer: Nickel per QQ-N-290, Class II.



SYM	DESCRIPTION	DATE	APPR.	UNLESS OTHERWISE SPECIFIED 1. REMOVE ALL BURRS 2. BREAK ALL CORNERS & EDGES .005 R MAX. 3. CHAMFER 1ST & LAST THREADS 45° 4. SURFACE ROUGHNESS 63 ✓ MIL-STD-10 5. DIAMETERS ON COMMON CENTERS TO BE CONCENTRIC WITHIN T.I.R. 6. ALL DIMENSIONS ARE AFTER PLATING	SOLITRON/MICROWAVE		ENGINEERING DATA DRAWING	
					PORT SALERNO, FLORIDA			TITLE
-	REL. DCF 6429	5/78	DGS	DIMENSIONS ARE IN INCHES TOLERANCES	MATERIAL	BNC MALE TO SMA MALE ADAPTER		
				DECIMALS FRACTIONAL ANGULAR .X ± .030 .XX ± .015 .XXX ± .005	—			
				± 1/64 X° ± 1°0'	FINISH			
				± 15'	SCALE	CODE IDENT. NO.	SIZE	DRAWING NO.
				DRAWN <i>S. J. J.</i> DATE 5-9-78	—	95077	A	SF1145-6001
				CHECKED DATE				SHEET 1 OF 2
				APPROVED <i>DGS</i> DATE 5/9/78				

REQUIREMENT	RATING	REQUIREMENT	RATING
Nominal Impedance (ohms)	50	Vibration	MIL-STD-202 method 204 Cond. D (20G's)
Frequency Range (ghz)	DC-6.0		
Voltage Rating (max. vrms)	335	Shock	MIL-STD-202 method 213 Cond. I (100G's)
Temperature Rating (degrees centigrade)	-65 To +165		
VSWR (max.)	1.07 +.007xFGHz	Temperature Cycling	MIL-STD-202 method 102 - Cond. C (-65°C To +200°C)
Insertion Loss (dB max.)	.05x√FGHz		
RF Leakage (min. dB down)	60dB-FGHz	Corrosion	MIL-STD-202 method 101 Cond. B (48 hrs.)
RF High Potential (max. vrms)	670AT 5MHz		
Dielectric Withstanding Voltage (max. vrms)	1000	Moisture Resistance	MIL-STD-202 method 106 less step 7b
Insulation Resistance (min. megohms)	5000		
Contact Resistance		Barometric Pressure (Altitude)	MIL-STD-202 method 105 Cond. C (70,000 ft.) (250 vrms)
Center Contact (max. milliohms)	3.0		
Outer Contact (max. milliohms)	2.0,	Hermeticity	N/A
Center Contact Axial Forces			
Insertion (max. ounces)	N/A	Captivation Center Contact: (Min. Axial Force)	6 Lbs.
Withdrawal (min. ounces)			
Connector Durability (min. cycles)	500		
Connector Engagement & Disengagement (max. inch lbs.)	2.0		

REMARKS: 1.) RECOMMENDED MATING TORQUE: SMA - 7-10 INCH POUNDS.

TITLE BNC MALE TO SMA MALE ADAPTER	SOLITRON/MICROWAVE PORT SALERNO, FLORIDA	SHEET 2 OF 2	DRAWING NO. SF1145-6001	REV -
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