

NOTES:

SF6505-6003

1. MATING:

Interface dimensions per Mil-C-39012/N Series and Solitron/Microwave MD-126.

2. MATERIALS:

Coupling Nut
and Body:

Stainless Steel per ASTM-A582, Type 303,
Cond. A.

Contact:

Brass per QQ-B-626, Half Hard, Alloy 360.

Lock Ring:

Phosphor Bronze per QQ-B-750, Comp. A,
Spring.

Dielectric:

Teflon per Mil-P-19468 and L-P-403, Type I.

Gasket:

Silicone Rubber per ZZ-R-765, Class IIB,
Grade 50-60.

3. FINISH:

Body:

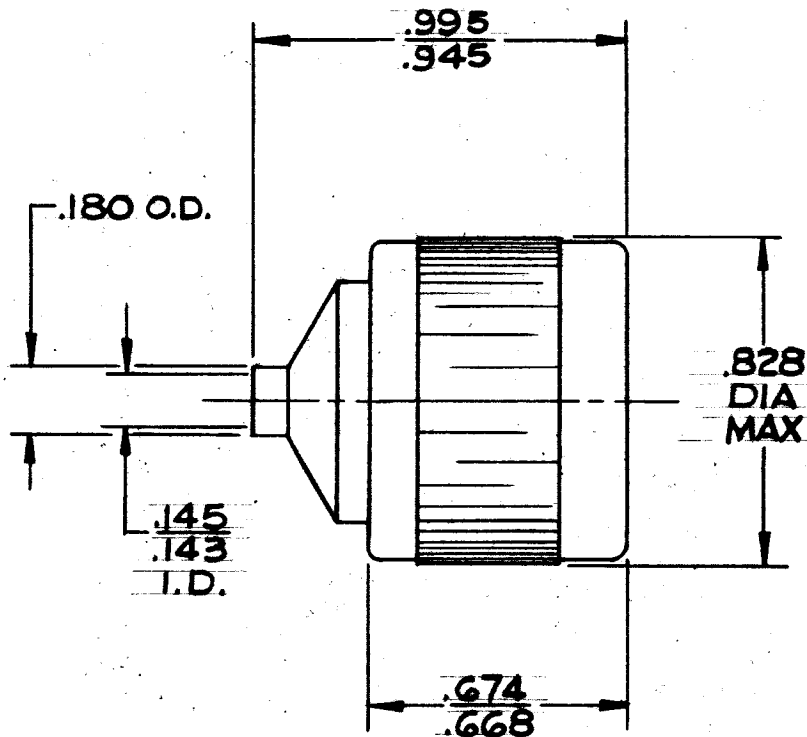
Gold per Mil-G-45204, Type II, Class 1;
over Nickel per Mil-C-26074, Class 1.

Coupling Nut: Passivate per QQ-P-35A, Type I.

Contact:

Gold per Mil-G-45204, Type II, Class 2;
over Copper per Mil-C-14550, Class 4.

4. Cable Assembly Instructions: per Solitron/Microwave Drawing 300-80-145.



SYM	DESCRIPTION	DATE	APPR.	UNLESS OTHERWISE SPECIFIED	SOLITRON/MICROWAVE			REF.
—	RELEASE F-7626	2-80	ND	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	PORT SALERNO, FLORIDA			ENGINEERING DATA DRAWING
				DIMENSIONS ARE IN INCHES TOLERANCES	MATERIAL			TITLE
				DECIMALS FRACTIONAL ANGULAR .X ± .030 .XX ± .015 .XXX ± .005	FINISH			"PN" PLUG DIRECT SOLDER FOR .141 DIA. SEMI-RIGID CABLE
					SCALE	CODE IDENT. NO.	SIZE	DRAWING NO.
				DRAWN <u>BWS</u> DATE <u>2-6-80</u>	<u>1/8"</u>	<u>95077</u>	<u>A</u>	SF6505-6003
				CHECKED <u>ND</u> DATE <u>2-7-80</u>				SHEET 1 OF 2
				APPROVED <u>DGG</u> DATE <u>2/7/80</u>				

REQUIREMENT	RATING	REQUIREMENT	RATING
Nominal Impedance (ohms)	50	Vibration	MIL-STD-202 method 204 Cond. D (20G's)
Frequency Range (ghz)	DC-18.0		
Voltage Rating (max. vrms)	335	Shock	MIL-STD-202 method 213 Cond. I (100G's)
Temperature Rating (degrees centigrade) *	-65 To +105		
VSWR (max.)	1.05 +.007 xFGHz	Temperature Cycling	MIL-STD-202 method 102 - Cond. C (-65°C To + 115°C)
Insertion Loss (dB max.)	.05dB x√FGHz		
RF Leakage (min. dB down)	100 dB-FGHz	Corrosion	MIL-STD-202 method 101 Cond. B (48 hrs.)
RF High Potential (max. vrms)	670 AT 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)	1.0		
Outer Contact (max. milliohms)	0.2	Hermeticity	N/A
Center Contact Axial Forces			
Insertion (max. ounces)	N/A		
Withdrawal (min. ounces)	N/A		
Connector Durability (min. cycles)	500		
Connector Engagement & Disengagement (max. inch lbs.)	6.0		

REMARKS: 1.) RECOMMENDED MATING TORQUE: 35-40 INCH POUNDS
 *2.) CONNECTOR IS DERATED FROM +165°C WHEN MATED WITH CABLE SPECIFIED.

TITLE "PN" PLUG, DIRECT SOLDER
 FOR .141 DIA. SEMI-RIGID CABLE

SOLITRON/MICROWAVE
 PORT SALERNO, FLORIDA

SHEET 2 OF 2

DRAWING NO.
 SF6505-6003

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