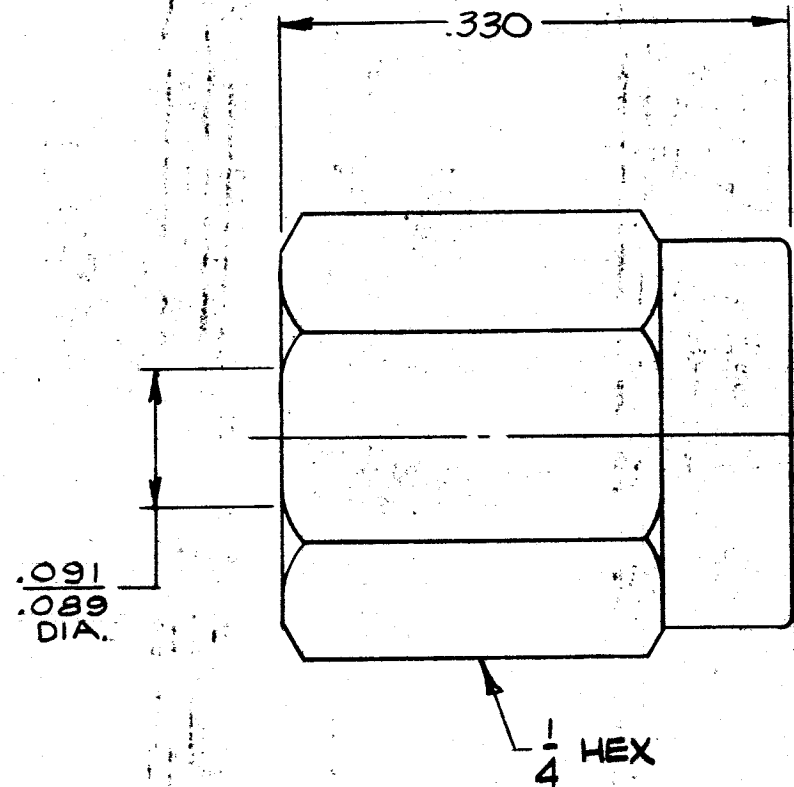


2702-6015

NOTES

1. MATING:
Interface dimensions per Mil-C-39012/SSMA Series and Solitron/Microwave MD-114.
2. MATERIAL:
Body &
Coupling Nut:—Stainless Steel per AMS-5640, Class 303, Cond. A.
Lockring:—Beryllium Copper per QQ-C-530, Cond. 1/4 Hard, Alloy 173.
Gasket:—Silicone Rubber per Mil-R-5847, Class 2, Grade 50-60.
3. FINISH:
Body &
Coupling Nut:—Gold per Mil-G-45204, Type II, Grade C, Class 1.
Lockring:—None.
4. Accommodates .085 Semi-Rigid Cable.



SYM	DESCRIPTION	DATE	APPR.	UNLESS OTHERWISE SPECIFIED			SOLITRON/MICROWAVE		REF.
				1. ALL DIMENSIONS ARE AFTER PLATING			PORT SALERNO, FLORIDA		ENGINEERING DATA DRAWING
				2. BREAK ALL CORNERS & EDGES .005 R MAX.			MATERIAL		TITLE
				3. CHAMFER 1ST & LAST THREADS 45°			—		SSMA PLUG
				4. SURFACE ROUGHNESS 63 ✓ MIL-STD-10			FINISH		FOR .085 DIA.
				5. DIAMETERS ON COMMON CENTERS TO BE CONCENTRIC WITHIN T.I.R.			SEE P/L		SEMI-RIGID CABLE
				6. REMOVE ALL BURRS			AREA		
				DIMENSIONS ARE IN INCHES			SCALE		DRAWING NO.
				TOLERANCES			—		2702-6015
				DECIMALS	FRACTIONAL	ANGULAR	CODE IDENT. NO.		(Sheet 1 of 2)
				.X ± .030		X° ± 1°0'	95077		
				.XX ± .015	± 1/64	X'X' ± 15'	SIZE		
				.XXX ± .005			A		
				DRAWN	DATE		DRAWING NO.		
				JBM	10/12/82				
				CHECKED	DATE				
				APPROVED	DATE				

REQUIREMENTS	RATINGS	REQUIREMENTS	RATINGS
Nominal Impedance (ohms)	50	Vibration	MIL-STD-202 Method 204 Cond. D (20G's)
Frequency Range (ghz)	DC-26.0	Shock	MIL-STD-202 Method 213 Cond. I (100G's)
Voltage Rating (max. vrms)	250	Temperature Cycling	MIL-STD-202 Method 102 - Cond. C (-65°C to + 115 ° C)
Temperature Rating (degrees centigrade) 2)	-65° To +105°	Corrosion	MIL-STD-202 Method 101 Cond. B (48 Hrs.)
VSWR (max.)	1.05 + .007 xFGHz	Moisture Resistance	MIL-STD-202 Method 106 Less Step 7b
Insertion Loss (dB max.)	.04dB x \sqrt{FGHz}	Barometric Pressure (Altitude)	MIL-STD-202 Method 105 - Cond. C (70,000 ft) (190 vrms)
RF Leakage (min. dB down)	65 dB-FGHz		
RF High Potential (max. vrms)	500 at 5MHz		
Dielectric Withstanding Voltage (max. vrms)	750		
Insulation Resistance (min. megohms)	5000		
Contact Resistance:			
Center Contact (max. milliohms)	4.0		
Outer Contact (max. milliohms)	1.0		
Center Contact Axial Forces:			
Insertion (max. ounces)	N/A		
Withdrawal (min. ounces)			
Connector Durability (min. cycles)	500		
Connector Engagement & Disengagement (max. inch lbs.)	2.0		

REMARKS: 1) Recommended Mating Torque: 7-10 inch pounds.
 2) Connector is derated from +165°C when mated with cable specified.