

2946-6012

NOTES:

1. MATING:

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

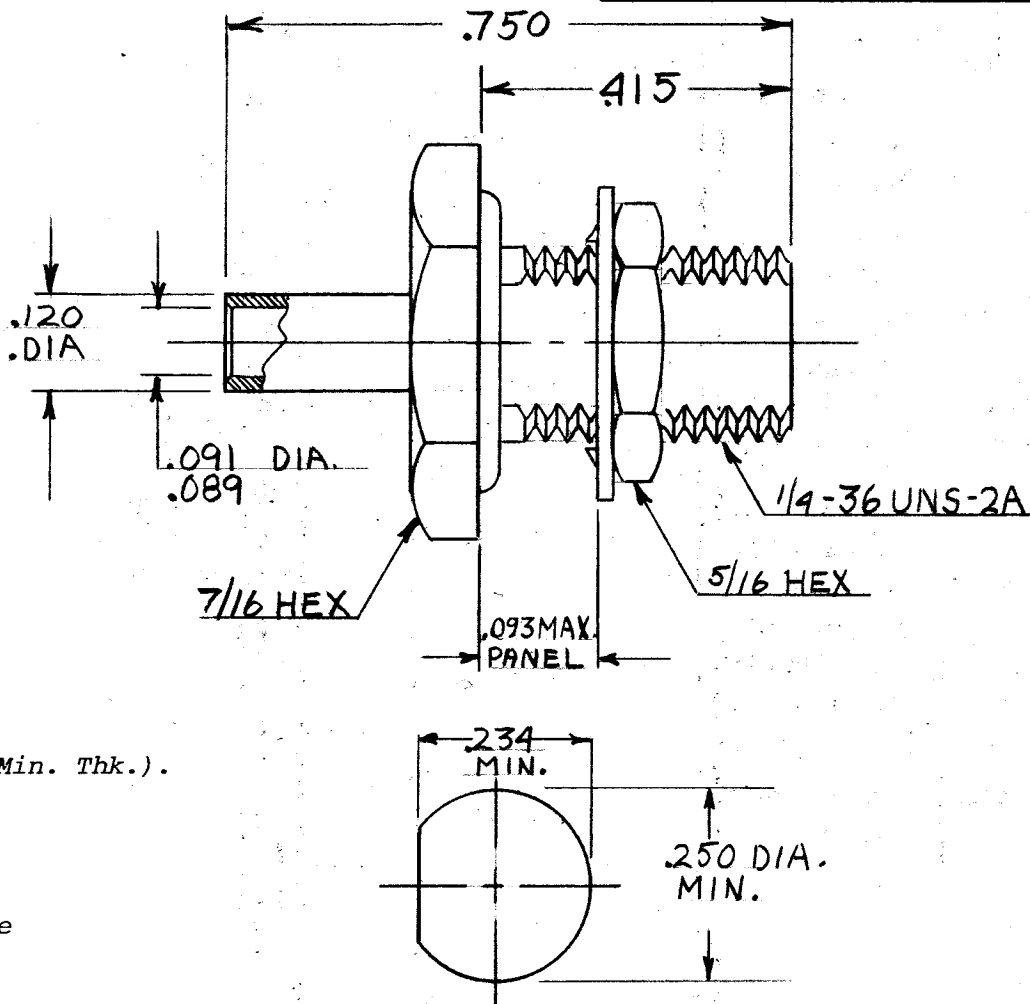
2. MATERIALS:

Body, Hex Nut and Lockwasher: Stainless Steel per QQ-S-764, Type 303, Cond. A.
 Dielectric: Teflon per Mil-P-19468 and L-P-403, Type I.
 O'Ring: Silicone Rubber per ZZ-R-765, Type IIB, Grade 50 or 60.
 Contact: Beryllium Copper per QQ-C-530, Cond. A, alloy 173.

3. FINISH:

Body, Hex Nut and Lockwasher: Gold per Mil-G-45204, Type II, Grade C, Class 1; over Nickel per Mil-C-26074, Class 1, (.00015 Min. Thk.).
 Contact: Gold per Mil-G-45204, Type II, Grade C, Class 2; over Copper per Mil-C-14550, Class 4.

4. Cable Assembly Instructions: Per Solitron/Microwave Drawing 300-80-036.



RECOMMENDED MT'G HOLE

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 WITH T.I.R. 6. ALL DIMENSIONS ARE AFTER PLATING DIMENSIONS ARE IN INCHES TOLERANCES DECIMALS FRACTIONAL ANGULAR .X ± .030 X' ± 1'0" .XX ± .015 ± 1/64 X'X' ± 15" .XXX ± .005	SOLITRON/MICROWAVE PORT SALERNO, FLORIDA	REF. ENGINEERING DATA DRAWING	
						MATERIAL	TITLE
						FINISH	SMA BULKHEAD JACK FOR .085 DIA. S.R. CABLE
						SCALE	DRAWING NO.
				DRAWN <i>PJ</i> DATE 3-21-79	CODE IDENT. NO.	SIZE	
				CHECKED DATE	4x 95077	A	
				APPROVED <i>DGG</i> DATE 3/21/79		2946-6012	

REQUIREMENT	RATING	REQUIREMENT	RATING
Nominal Impedance (ohms)	50	Vibration	MIL-STD-202 method 204 Cond. D (20G's)
Frequency Range (ghz)	DC-18.0 GHz		
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 +.005xFGHz	Temperature Cycling	MIL-STD-202 method 102 - Cond. C (-65°C To +115°C)
Insertion Loss (dB max.)	.03x√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)	3.0		
Outer Contact (max. milliohms)	2.0	Hermeticity	N/A
Center Contact Axial Forces			
Insertion (max. ounces)	48.0		
Withdrawal (min. ounces)	2.0		
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.