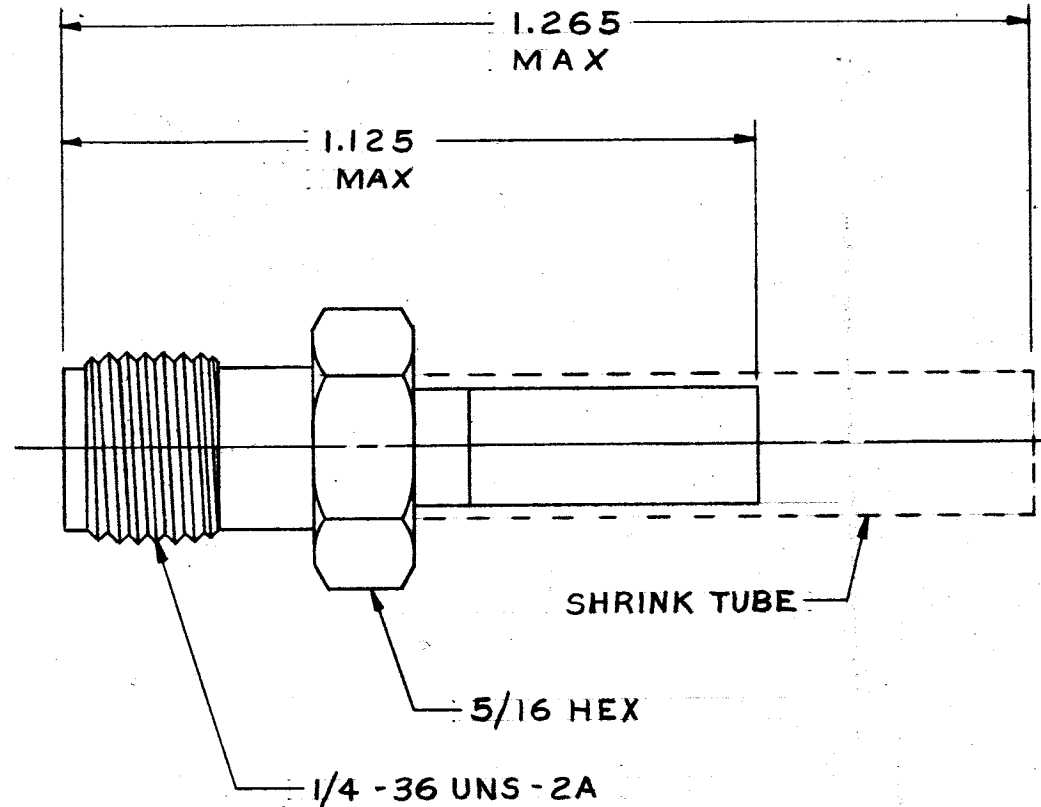


NOTES

1. **MATING:**
Interface dimensions per Mil-C-39012/SMA Series and Solitron/Microwave MD-107.
2. **MATERIALS:**
 Body & Press
 Ring: _____ Stainless Steel per AMS-5640, Type 303, Cond. A.
 Crimp Ring: _____ Copper per WW-T-799, Type K, Form A, Class 1.
 Dielectric: _____ Teflon per Mil-P-19468A and L-P-403, Type I.
 Shrink Tubing: _____ SCL Polyolefin per Mil-I-23053/4.
 Contact: _____ Beryllium Copper per QQ-C-530, Cond. HT, Alloy 173.
3. **FINISH:**
 Body & Press
 Ring: _____ Passivate per QQ-P-35A, Type 1.
 Contact: _____ Gold per Mil-G-45204, Type I, Grade C, Class 2; over Copper per Mil-C-14550, Class 4.
 Crimp Ring: _____ Silver with Iridite per QQ-S-365, Type II, Grade A.
4. Cable Assembly Instructions: S/M 300-80-332.
5. Connector accommodates RG-174, 316/U Cables.
6. Center contact captivated.



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		REF.
					PORT SALERNO, FLORIDA		ENGINEERING DATA DRAWING
	REL. DCN F-10230	2/26	RD				TITLE
							SMA, JACK, CRIMP
							RG-174, 316/U CABLE
							Sht 1 of 2
					DRAWN R.P.A. DATE 11-27-85	SCALE	DRAWING NO.
					CHECKED DATE	CODE IDENT. NO.	
					APPROVED RD DATE 2-26-86	95077	M39012/57-3026
						SIZE	
						A	

ENG. FILE COPY

S/M DESIGN STANDARDS

DRAWING NO.
M39012/57-3026

REQUIREMENTS	RATINGS	REQUIREMENTS	RATINGS
Nominal Impedance (ohms)	50	Vibration	MIL-STD-202 Method 204 Cond. D (20G's)
Frequency Range (ghz)	DC-18.0		
Voltage Rating (max. vrms)	250	Shock	MIL-STD-202 Method 213 Cond. I (100G's)
Temperature Rating (degrees centigrade)	-65° to +165°		
VSWR (max.)	1.07 + .015 xFGHZ	Temperature Cycling	MIL-STD-202 Method 107 - Cond. B (-65°C to + 200° C)
Insertion Loss (dB max.)	.04 x $\sqrt{\text{FGHZ}}$		
RF Leakage (min. dB down)	100 dB-FGHZ	Corrosion	MIL-STD-202 Method 101 Cond. B (48 Hrs.)
RF High Potential (max. vrms)	500 at 5MHZ		
Dielectric Withstanding Voltage (max. vrms)	750	Moisture Resistance	MIL-STD-202 Method 106 Less Step 7b
Insulation Resistance (min. megohms)	5000		
Contact Resistance: Center Contact (max. milliohms) Outer Contact (max. milliohms)	3.0 2.0	Barometric Pressure (Altitude)	MIL-STD-202 Method 105 - Cond. C (70,000 ft) (190 vrms)
Center Contact Axial Forces: Insertion (max. ounces) Withdrawal (min. ounces)	48.0 1.0		
Connector Durability (min. cycles)	500	Captivation Center Contact (Min. Axial Force)	6.0 Lbs.
Connector Engagement & Disengagement (max. inch lbs.)	2.0		

REMARKS: 1) Recommended Mating Torque: 7-10 Inch Pounds.

TITLE:
SMA, JACK, CRIMP, RG-174, 316/U CABLE

SOLITRON/MICROWAVE
PORT SALERNO, FLORIDA

SHT. 2 of 2

DRAWING NO.
M39012/57-3026

REV.
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