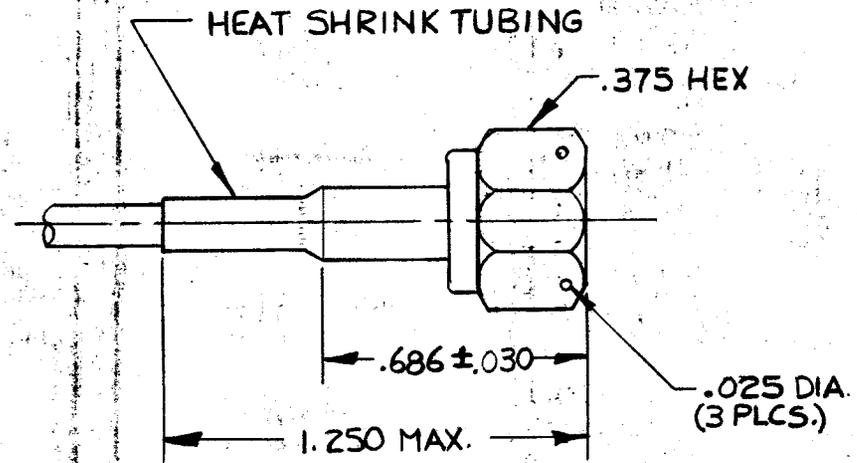


NOTES

1. **MATING:**
Interface dimensions per Solitron/Microwave MD-101.
2. **MATERIALS:**
All Metal Parts Except
Crimp Ring, Lock Ring,
& Outer Contact: _____ Brass per QQ-B-626, 1/2 Hard, Alloy 360.
Crimp Ring: _____ Copper per WW-T-799, Type K,
Form A, Class 1.
Lock Ring: _____ Phosphor Bronze per ASTM-B159,
Alloy 51000, Temp. H08.
Outer Contact: _____ Beryllium Copper per QQ-C-530,
Cond. H.T., Alloy 173.
Gasket: _____ Silicone Rubber per ZZ-R-765,
Class IIB, Grade 50-60.
Insulator: _____ Teflon per Mil-P-19468 and
L-P-403, Type I.
Shrink Tubing: _____ SCL Polyolefin per Mil-I-23053/4
(Blk).
3. **FINISH:**
All Metal Parts Except
Body, Coupling Nut
& Lock Ring: _____ Gold per Mil-G-45204, Type II,
Grade C, Class 2; over Copper per
Mil-C-14550, Class 4.
Body & Coupling Nut: _____ Silver with Iridite per QQ-S-365,
Type II, Grade A.
Lock Ring: _____ None.
4. Cable Assembly
Instructions: _____ per S/M 300-80-388.
5. Connector accommodates RG-174, 179, 187, 188 & 316/U Cables.



SYM	DESCRIPTION	DATE	APPR.	UNLESS OTHERWISE SPECIFIED			SOLITRON/MICROWAVE		REF:		
				1. ALL DIMENSIONS ARE AFTER PLATING 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. REMOVE ALL BURRS			PORT SALERNO, FLORIDA		ENGINEERING DATA DRAWING		
-	REL F-8441	7-23-81	RE	DIMENSIONS ARE IN INCHES TOLERANCES			MATERIAL		TITLE		
				DECIMALS	FRACTIONAL	ANGULAR	FINISH		AREA		
				.X ± .030		X' ± 1°0'	---		---		
				.XX ± .015	± 1/64	X'X' ± 15'	---		---		
				.XXX ± .005			---		---		
				DRAWN RLP DATE 7-23-81			SCALE	CODE IDENT. NO.	SIZE	DRAWING NO.	
				CHECKED RE DATE 7-23-81				95077	A		
				APPROVED DSG DATE 7/23/81						3006-0011	

Sht 1 of 2

ENG. FILE COPY

S/M DESIGN STANDARDS

DRAWING NO.
3006-0011

REQUIREMENTS	RATINGS	REQUIREMENTS	RATINGS
Nominal Impedance (ohms)	50	Vibration	MIL-STD-202 Method 204 Cond. D (20G's)
Frequency Range (ghz)	DC-12.4		
Voltage Rating (max. vrms)	250	Shock	MIL-STD-202 Method 213 Cond. I (100G's)
Temperature Rating (degrees centigrade)	-65° to +165°		
VSWR (max.)	1.10 + .020 xFGHz	Temperature Cycling	MIL-STD-202 Method 102 - Cond. C (-65°C to + 200 ° C)
Insertion Loss (dB max.)	.05 x $\sqrt{\text{FGHz}}$		
RF Leakage (min. dB down)	60 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:		Barometric Pressure (Altitude)	MIL-STD-202 Method 105 - Cond. C (70,000 ft) (190 vrms)
Center Contact (max. milliohms)	2.0		
Outer Contact (max. milliohms)	0.2		
Center Contact Axial Forces:			
Insertion (max. ounces)	24.0		
Withdrawal (min. ounces)	2.0		
Connector Durability (min. cycles)	500		
Connector Engagement & Disengagement (max. inch lbs.)	2.0		

REMARKS: 1) Recommended Mating Torque: 4-6 inch pounds.