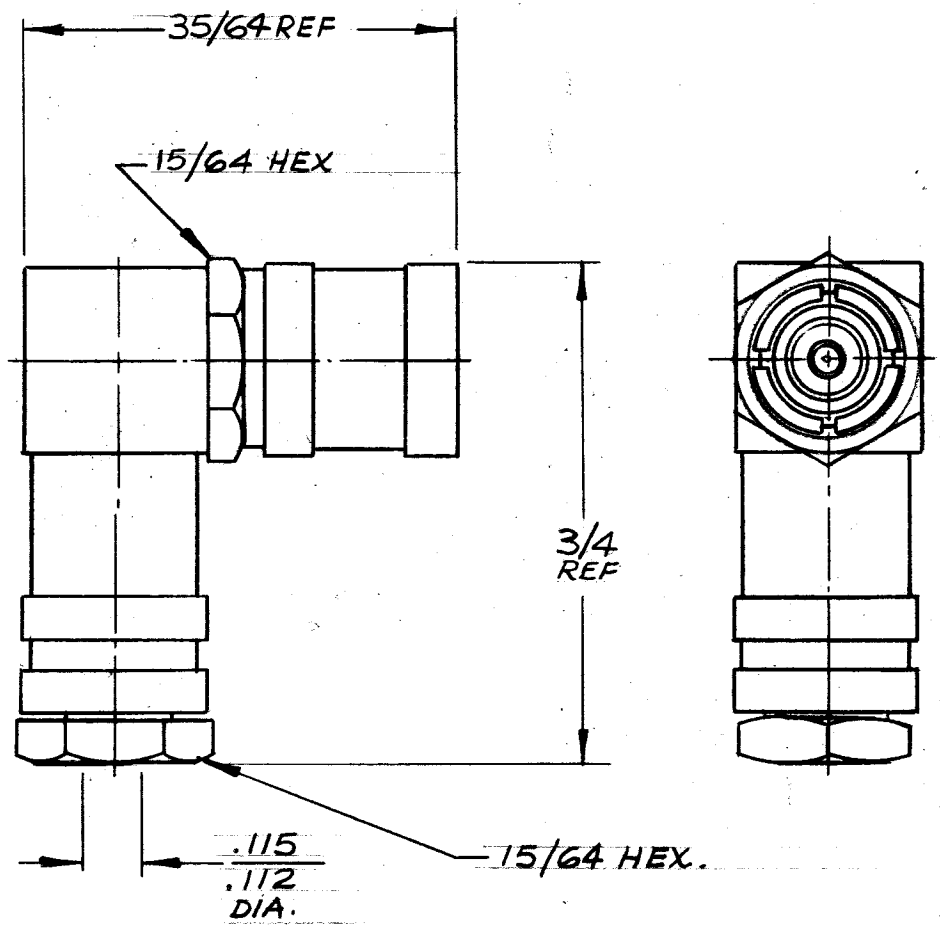


2310-0009

NOTES:

1. MATING: Interface dimensions per Mil-C-39012/SMB Series & S/M MD-121.
2. MATERIALS:
 ALL METAL PARTS EXCEPT CONTACT & SPRING.....Brass per QQ-B-626, 1/2 H., Alloy 360.
 CONTACT & SPRING.....Beryllium Copper per QQ-C-530, Cond. H., Alloy 173.
 INSULATOR.....Teflon per Mil-P-19468, & L-P-403, Type 1.
 GASKET.....Synthetic Rubber (Buna N) Per Mil-P-5516, Class B.
3. FINISH:
 ALL METAL PARTS EXCEPT CONTACT..Gold per Mil-G-45204, Type II, Grade C, Class 1; over Copper per Mil-C-14550, Class 4.
 CONTACT.....Gold per Mil-G-45204, Type I, Grade C, Class 1; over Copper per Mil-C-14550, Class 4.
4. CABLE ASSEMBLY INSTRUCTION PER S/M 300-80-502.
5. ACCOMMODATES RG 188,316/U CABLE.



SYM	DESCRIPTION	DATE	APPR.	UNLESS OTHERWISE SPECIFIED			SOLITRON/MICROWAVE		REF: ENGINEERING	
				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-19 5. DIAMETERS ON COMMON CENTERS TO BE CONCENTRIC WITHIN Y.I.R. 6. REMOVE ALL BURRS			PORT SALERNO, FLORIDA		DATA DRAWING	
-	REL F-10890	6/87		DIMENSIONS ARE IN INCHES TOLERANCES			MATERIAL		TITLE	
				DECIMALS	FRACTIONAL	ANGULAR	SEE NOTE 2		SMB PLUG	
				X ± .030		X' ± 1°	FINISH		R/A TO RG 188, 316/U	
				XX ± .015	± 1/64	X'X' ± 15'	SEE NOTE 3		CLAMP ATTACHMENT	
				XXX ± .005			SCALE	CODE IDENT. NO.	SIZE	DRAWING NO.
				DRAWN <i>Staw</i>	DATE 6/30/87			95077	A	SHT. 1 OF 2
				CHECKED	DATE					2310-0009
				APPROVED <i>E</i>	DATE 6/30/87					

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S/M DESIGN STANDARDS

DRAWING NO.
2310-0009

REQUIREMENTS	RATINGS	REQUIREMENTS	RATINGS
Nominal Impedance (ohms)	50	Vibration	MIL-STD-202 Method 204 Cond. D (20G's)
Frequency Range (ghz)	DC - 4.0	Shock	MIL-STD-202 Method 213 Cond. I (100G's)
Voltage Rating (max. vrms)	335	Temperature Cycling	MIL-STD-202 Method 107 - Cond. B (-65°C to + 200° C)
Temperature Rating (degrees centigrade)	-65° to + 165°	Corrosion	MIL-STD-202 Method 101 Cond. B (48 Hrs.)
VSWR (max.)	1.35 + .040 xFGHz	Moisture Resistance	MIL-STD-202 Method 106 Less Step 7b
Insertion Loss (dB max.)	.08 x√FGHz	Barometric Pressure (Altitude)	MIL-STD-202 Method 105 - Cond. C (70,000 ft) (250 vrms)
RF Leakage (min. dB down)	65 dB-FGHz		
RF High Potential (max. vrms)	670 at 5MHz	CONTACT CAPTIVATION AXIAL FORCE (MIN. lbs.)	6.0
Dielectric Withstanding Voltage (max. vrms)	1000		
Insulation Resistance (min. megohms)	1000		
Contact Resistance: Center Contact (max. milliohms) Outer Contact (max. milliohms)	6.0 1.0		
Center Contact Axial Forces: Insertion (max. ounces) Withdrawal (min. ounces)	40.0 1.0		
Connector Durability (min. cycles)	500		
Connector Engagement & Disengagement (max. inch lbs.)	14		

REMARKS: 1) Recommended Mating Torque: N/A

TITLE: SMB PLUG R/A TO RG 188,316/U
CLAMP ATTACHMENT.

SOLITRON/MICROWAVE
PORT SALERNO, FLORIDA

SHT. 2 of 2

DRAWING NO.
2310-0009

REV.
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