

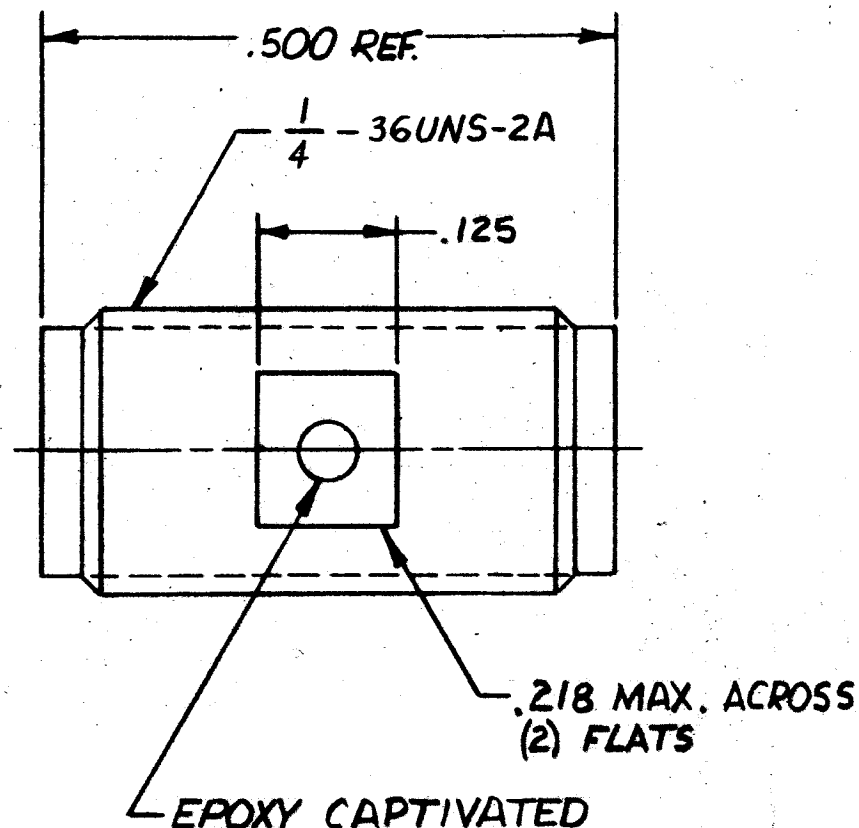
1. MATING: Interface dimensions per Mil-A-55339/SMA Series & Solitron/Microwave MD-107.

2. MATERIALS:

BODY.....Stainless Steel per AMS-5640, Type 303,
Cond. A.
CONTACT.....Beryllium Copper per QQ-C-530, Cond. H.,
Alloy 173.
INSULATOR.....Teflon per Mil-P-19468 & L-P-403, Type 1.

3. FINISH:

BODY.....Passivate per QQ-P-35A, Type 1.
CONTACT.....Gold per Mil-G-45204B, Type 1, Grade C,
Class 2; over Copper per Mil-C-14550A,
Class 4.



SYM	DESCRIPTION	DATE	APPR	SOLITRON/MICROWAVE PORT SALERNO, FLORIDA			REF ENGINEERING DATA DWG.
-	REL. F-10795	4/87	PL	UNLESS OTHERWISE SPECIFIED 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			TITLE MIL-A-55339/31A-30001 SMA JACK TO JACK ADAPTER
				DIMENSIONS ARE IN INCHES TOLERANCES DECIMALS FRACTIONAL ANGULAR .X ± .030 X' ± 1° 0' .XX ± .015 ± 1/64 X'X' ± 15' .XXX ± .005			
				DRAWN DWE DATE 4-16-87 CHECKED PL DATE 4-24-87 APPROVED PL DATE 5/4/87			DRAWING NO. SHT. 1 OF 2 M55339/31-30001
				SCALE H	CODE IDENT. NO. 95077	SIZE A	

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S/M DESIGN STANDARDS

DRAWING NO.

M55339/31-30001

REQUIREMENTS	RATINGS	REQUIREMENTS	RATINGS
Nominal Impedance (ohms)	50	Vibration	MIL-STD-202 Method 204 Cond. D (20G's)
Frequency Range (ghz)	.5 - 18.0	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.)	1.10 + .008 x FGHZ	Moisture Resistance	MIL-STD-202 Method 106 Less Step 7b
Insertion Loss (dB max.)	.06 x $\sqrt{\text{FGHZ}}$	Barometric Pressure (Altitude)	MIL-STD-202 Method 105 - Cond. C (70,000 ft) (250 vrms)
RF Leakage (min. dB down)	60 dB-FGHZ		
RF High Potential	670 at 5MHZ		
Dielectric Withstanding Voltage	1500		
Insulation Resistance (min. megohms)	5000		
Contact Resistance: Center Contact (max. milliohms) Outer Contact (max. milliohms)	4.0 2.0		
Center Contact Axial Forces: Insertion (max. ounces) Withdrawal (min. ounces)	48.0 1.0		
Connector Durability (min. cycles)	500		
Connector Engagement & Disengagement (max. inch lbs.)	2.0		
		CAPTIVATION: Center Contact Min. Axial Force Min. Radial Torque	10 lbs. 4 in. Ounces

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

TITLE: SMA JACK TO JACK ADAPTER
MIL-A-555339/31A-30001SOLITRON/MICROWAVE
PORT SALERNO, FLORIDA

SHT. 2 of 2

DRAWING NO.

M55339/31-30001

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