

2200-0017

NOTES:**1. MATING:**

Interface dimensions per Mil-C-39012/SMC Series and Solitron/Microwave MD-124.

2. MATERIALS:

All Metal parts except Contact and Lock Ring: Brass per QQ-B-626, 1/2 Hard, Alloy 360.

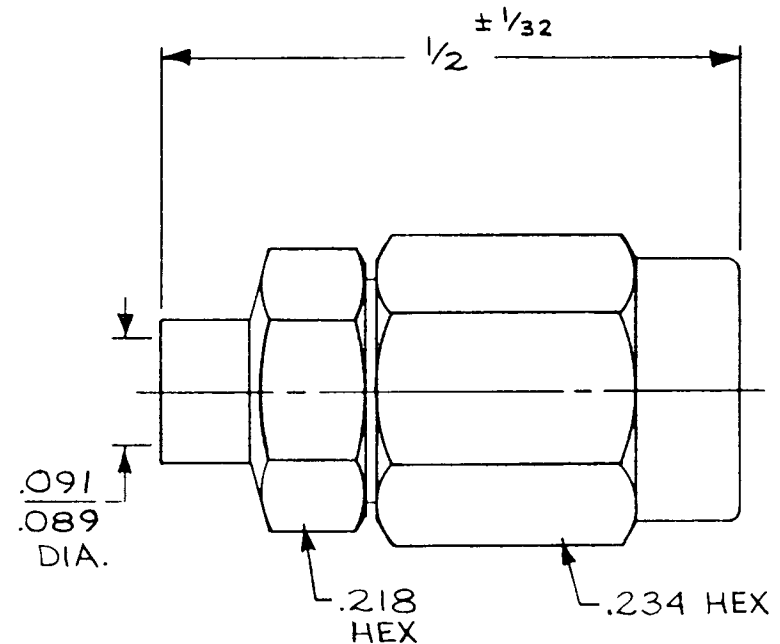
Contact and Lock Ring: Beryllium Copper per QQ-C-530, Cond. HT., Alloy 173.

Dielectric: Teflon per Mil-P-19468 and L-P-403, Type I.

3. FINISH:

BODY, COUPLING NUT &
CONTACT:

GOLD PER ASTM B488, TYPE II,
CODE C, CLASS 1.27; OVER NICKEL
PER AMS-QQ-N-290, CLASS 1, .00005" MIN.



SYM	DESCRIPTION	DATE	APPR	UNLESS OTHERWISE SPECIFIED	SOLITRON/MICROWAVE			ENGINEERING DATA DRAWING
—	REL. DCN F-6142	11/77	DGG	1 REMOVE ALL BURRS	PORT SALERNO, FLORIDA			
A	REV DCN F-8889	5/82	PS	2 BREAK ALL CORNERS & EDGES .005 R MAX	MATERIAL			TITLE
B	DCN 37683	07/10	STW	3 CHAMFER 1ST & LAST THREADS 45°	FINISH			SMC FOR .085 S.R. CABLE DIRECT SOLDER-ON
				4 SURFACE ROUGHNESS 63 ✓ MIL STD 10	SCALE			DRAWING NO.
				5 DIAMETERS ON COMMON CENTERS TO BE CONCENTRIC WITHIN T.I.R.	CODE IDENT NO.			2200-0017
				6 ALL DIMENSIONS ARE AFTER PLATING	SIZE			SHEET 1 OF 2
				DIMENSIONS ARE IN INCHES TOLERANCES	95077			
				DECIMALS FRACTIONAL ANGULAR	A			
				.X + .030 X' + 1'0"				
				.XX ± .015 ± 1/64 X'X' ± 15'				
				.XXX ± .005				
				DRAWN RPRAC DATE 11/8/77				
				CHECKED PS DATE 5/3/82				
				APPROVED DGG DATE 11/14/77				

ENG FILE COPY

"DESIGN CRITERIA"

2200-0017

REQUIREMENT	RATING	REQUIREMENT	RATING
Nominal Impedance (ohms)	50	Vibration	MIL-STD-202 method 204 Cond. D (20G's)
Frequency Range (ghz)	DC-10.0	Shock	MIL-STD-202 method 213 Cond. I (100G's)
Voltage Rating (max. vrms)	250	Temperature Cycling	MIL-STD-202 method 102 - Cond. C (-65°C To +115°C)
Temperature Rating (degrees centigrade) *	-65 To +105	Contact Captivation Axial Force (min. lbs.)	4.0
VSWR (max.)	1.15 +.025 xFGHZ	Barometric Pressure	MIL-STD-202 method 105 Cond. C (70,000 ft.) (190 vrms)
Insertion Loss (dB max.)	.08 x√FGHZ		
RF Leakage (min. dB down)	100 dB-FGHZ		
RF High Potential (max. vrms)	500 AT 5MHZ		
Dielectric Withstanding Voltage (max. vrms)	750		
Insulation Resistance (min. megohms)	1000		
Contact Resistance			
Center Contact (max. milliohms)	6.0		
Outer Contact (max. milliohms)	1.0		
Center Contact Axial Forces			
Insertion (max. ounces)	40.0		
Withdrawal (min. ounces)	1.0		
Connector Durability (min. cycles)	500		
Connector Engagement & Disengagement (max. inch lbs.)	1.0		

REMARKS: 1.) RECOMMENDED MATING TORQUE: 30-50 INCH OUNCES.
 *2.) CONNECTOR IS DERATED FROM +165°C WHEN MATED WITH CABLE SPECIFIED.