

ENG FILE GOPY

SF6545-6003

NOTES:

1. MATING:

Interface dimensions per Mil-C-39012 Series and Solitron/Microwave MD-126.

2. MATERIALS:

Body and Hex Nut: Stainless Steel per AMS-5640, Type 303, Cond. A.

Contact: Beryllium Copper per QQ-C-530, Cond. H.T., Alloy 173.

"O" Ring: Silicone Rubber per ZZ-R-765, Class II B, Grade 50-60.

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

3. FINISH:

Body, Hex Nut & Lockwasher: Passivated per QQ-P-35A, Type I.

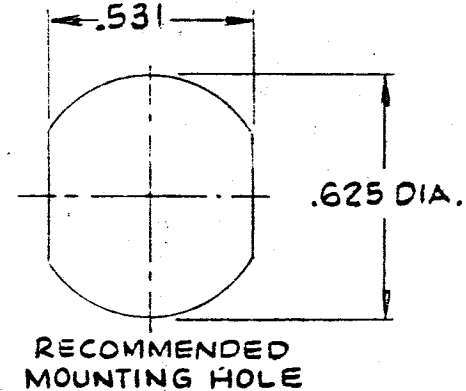
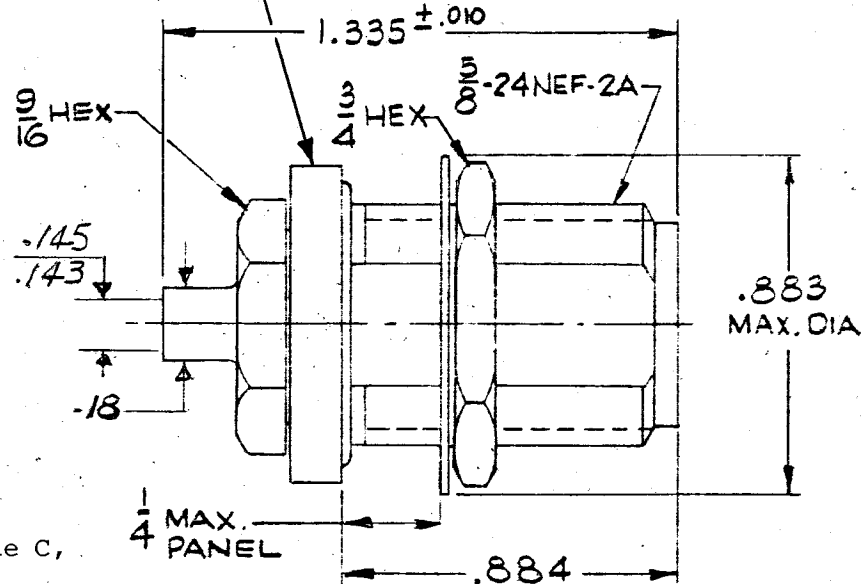
Body (Hex 3/16 Cable Entry): Gold per Mil-G-45204, Type II, Grade C, Class 2; over Nickel per Mil-C-26074 (Electroless) Class 2.

Contact: Gold per Mil-G-45204 Type II, Grade C, Class 2; over Copper per Mil-C-14550, Class 4.

4. Cable Assembly Instruction per 300-80-097.

5. Weight: 36 Grams Maximum.

IDENTIFICATION MARKING ON THIS SURFACE IN 1/16 CHARACTERS



RECOMMENDED MOUNTING HOLE

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 PORT SALERNO, FLORIDA	REF.	ENGINEERING DATA DRAWING	
—	REL. DCNF-6745	10/78	DGG			MATERIAL	—	TITLE
A	REV. F-8482	8/81	(DGG)	DIMENSIONS ARE IN INCHES TOLERANCES	FINISH	—		
				DECIMALS FRACTIONAL ANGULAR .X ± .030 X' ± 1'0" .XX ± .015 ± 1/64 .XXX ± .005 X'X' ± 15'	SCALE	CODE IDENT. NO.	SIZE	DRAWING NO.
				DRAWN <u>R. PRATT</u> DATE <u>10-12-78</u>	—	95077	A	SF6545-6003
				CHECKED DATE				SHEET NO 1 OF 2
				APPROVED <u>DGG</u> DATE <u>10/12/78</u>				

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"DESIGN CRITERIA"

SF6545-6003

REQUIREMENT	RATING	REQUIREMENT	RATING
Nominal Impedance (ohms)	50	Vibration	MIL-STD-202 method 204 Cond. D (20G's)
Frequency Range (ghz)	DC-12.4		
Voltage Rating (max. vrms)	500	Shock	MIL-STD-202 method 213 Cond. I (100G's)
Temperature Rating (degrees centigrade) 2)	-65 To +105°C		
VSWR (max.)	1.05 + .005xFGHz	Temperature Cycling	MIL-STD-202 method 102 - Cond. C (-65°C To + 115°C)
Insertion Loss (dB max.)	.05x√FGHz		
RF Leakage (min. dB down)	100dB-FGHz	Corrosion	MIL-STD-202 method 101 Cond. B (48 hrs.)
RF High Potential (max. vrms)	1000 AT 5MHZ		
Dielectric Withstanding Voltage (max. vrms)	1500	Moisture Resistance	MIL-STD-202 method 106 less step 7b
Insulation Resistance (min. megohms)	5000		
Contact Resistance Center Contact (max. milliohms)	1.0	Barometric Pressure (Altitude)	MIL-STD-202 method 105 Cond. C (70,000 ft.) (375 vrms)
Outer Contact (max. milliohms)	0.2		
Center Contact Axial Forces Insertion (max. ounces)	24.0	Hermeticity	N/A
Withdrawal (min. ounces)	2.0		
Connector Durability (min. cycles)	500	Captivation (Min. Axial Force)	6 Lbs.
Connector Engagement & Disengagement (max. inch lbs.)	6.0		

REMARKS: 1.) RECOMMENDED MATING TORQUE: 35-40 INCH POUNDS
 2.) CONNECTOR IS DERATED FROM +165°C WHEN MATED WITH CABLE SPECIFIED.