

SF4525-6002

NOTES:

1. MATING:

Interface dimensions per Mil-C-39012/TNC Series and Solitron/Microwave MD-110.

2. MATERIAL:

All Metal parts
except Contact:

Stainless Steel per ASTM-A582, Type 303,
Cond. A.

Contact:

Beryllium Copper per QQ-C-530, Cond. HT,
Alloy 173.

Insulator:

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

Gasket:

Silicone Rubber per ZZ-R-765, Class IIB,
Grade 50 or 60.

3. FINISH:

All Metal parts
except Contact:

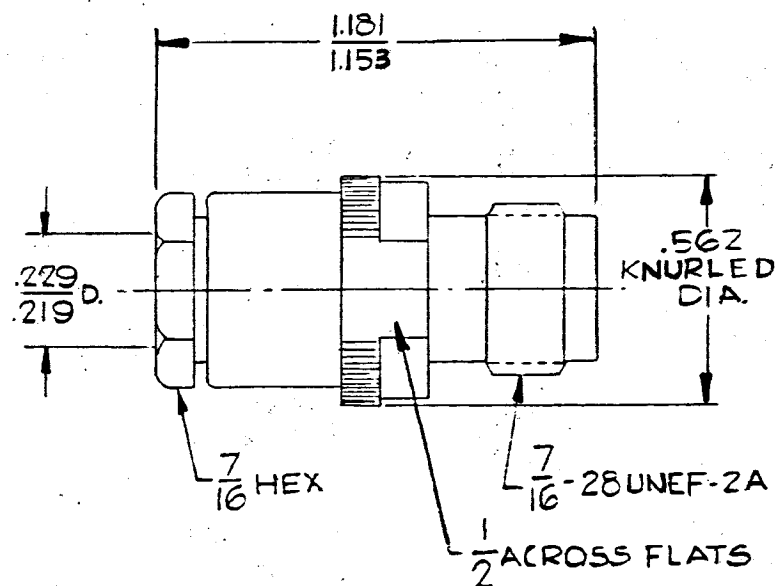
Passivate per QQ-P-35A, Type I.

Contact:

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

4. Connector Accommodates RG-142/U Cables.

5. For Cable Assembly Instructions: per Solitron/Microwave Drawing 300-80-001, Trim 1.



SYM	DESCRIPTION	DATE	APPR.	UNLESS OTHERWISE SPECIFIED	SOLITRON/MICROWAVE	REF.
-	RELEASE F-7575	1-80	D	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	PORT SALERNO, FLORIDA	ENGINEERING DATA DRAWING
				DIMENSIONS ARE IN INCHES TOLERANCES DECIMALS FRACTIONAL ANGULAR .X ± .030 X' ± 1'0" .XX ± .015 ± 1/64 X'X ± 15' .XXX ± .005	MATERIAL	TITLE
					FINISH	PTNC, JACK FOR 142 RG/U CABLE
				DRAWN S.ZINAICH DATE 1-9-80	SCALE	DRAWING NO.
				CHECKED D DATE 1-15-80	CODE IDENT. NO.	SF4525-6002
				APPROVED DGG DATE 1/15/80	SIZE	SHEET 1 OF 2
					95077	A

REQUIREMENT	RATING	REQUIREMENT	RATING
Nominal Impedance (ohms)	50	Vibration	MIL-STD-202 method 204 Cond. D (20G's)
Frequency Range (ghz)	DC-15.0		
Voltage Rating (max. vrms)	335		
Temperature Rating (degrees centigrade)	-65 To +165	Shock	MIL-STD-202 method 213 Cond. I (100G's)
VSWR (max.)	1.10 +.010xFGHZ	Temperature Cycling	MIL-STD-202 method 102 - Cond. C (-65°C To +200°C)
Insertion Loss (dB max.)	.05x \sqrt{FGHZ}		
RF Leakage (min. dB down)	100 dB-FGHZ	Corrosion	MIL-STD-202 method 101 Cond. B (48 hrs.)
RF High Potential (max. vrms)	670 AT 5MHZ	Moisture Resistance	MIL-STD-202 method 106 less step 7b
Dielectric Withstanding Voltage (max. vrms)	1000		
Insulation Resistance (min. megohms)	5000	Barometric Pressure (Altitude)	MIL-STD-202 method 105 - Cond. C (70,000 ft.) (250 vrms)
Contact Resistance			
Center Contact (max. milliohms)	1.5		
Outer Contact (max. milliohms)	0.2	Hermeticity	N/A
Center Contact Axial Forces			
Insertion (max. ounces)	24.0		
Withdrawal (min. ounces)	2.0	Captivation Center Contact (Min. Axial Force)	6 Lbs.
Connector Durability (min. cycles)	500		
Connector Engagement & Disengagement (max. inch lbs.)	2.0		

REMARKS: 1.) RECOMMENDED MATING TORQUE: 30-35 INCH POUNDS.