

2713-6003

NOTES:

1. MATING:

Interface dimensions per Solitron/Microwave MD-114.

2. MATERIALS:

Body, Ferrule, Coupling Nut, Access Cap: Stainless Steel per QQ-S-764, Type 303, Cond. A.

Crimp Ring: Copper per QQ-C-504.

Contact and Lock Ring: Beryllium Copper per QQ-C-530.

Dielectric: Teflon per Mil-P-19468.

Gasket: Viton Rubber per Mil-R-25897.

Shrink Tubing: Irradiated Polyolefin.

3. FINISH:

Body, Coupling Nut: Gold per Mil-G-45204, Type II, Class 1; over Nickel per Mil-C-26074, Class 1.

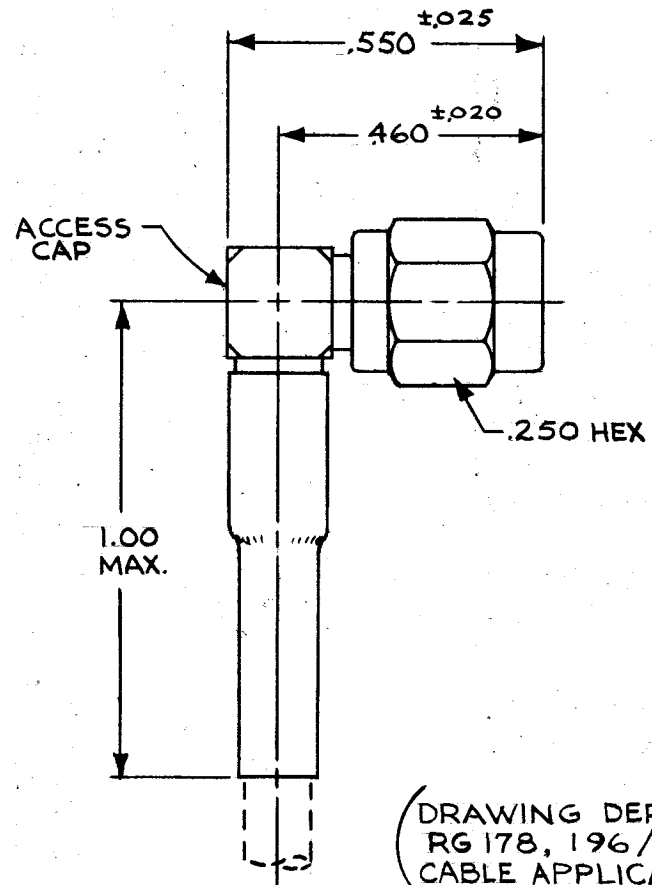
Contact, Crimp Ring: Gold per Mil-G-45204, Type II, Class 2; over Copper per Mil-C-14550, Class 4.

4. CABLE APPLICATION

RG 178, 196/U Cables
.034 O.D. Semi-Rigid

CABLE ASSEMBLY INSTRUCTIONS

S/M 300-80-021
S/M 300-80-112



(DRAWING DEPICTS
RG 178, 196/U
CABLE APPLICATION)

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	ENGINEERING DATA DRAWING
—	REL. DNF-6057	9-77	DSG	DIMENSIONS ARE IN INCHES TOLERANCES DECIMALS FRACTIONAL ANGULAR .X ±.030 X° ± 1'0" .XX ±.015 ± 1/64 X'X' ± 15' .XXX ±.005	MATERIAL	TITLE
A	F 7044	4/79	DSG		FINISH	SSMA, R/A CRIMP/SOLDER PLUG
B	REV. F-8372	6-81	DSG		SCALE	DRAWING NO.
					CODE IDENT. NO.	2713-6003
				APPROVED: DSG DATE 9/20/77	95077	A
				CHECKED DATE		
						SHEET 1 OF 2

ENG FILE COPY

"DESIGN CRITERIA"

2713-6003

REQUIREMENT	RATING	REQUIREMENT	RATING
Nominal Impedance (ohms)	50	Vibration	MIL-STD-202 method 204 Cond. D (20G's)
Frequency Range (ghz)	DC-18.0	Shock	MIL-STD-202 method 213 Cond. I (100G's)
Voltage Rating (max. vrms)	170	Temperature Cycling	MIL-STD-202 method 102 - Cond. C (-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 +.015xFGHz	Moisture Resistance	MIL-STD-202 method 106 less step 7b
Insertion Loss (dB max.)	.05 x√FGHz	Barometric Pressure (Altitude)	MIL-STD-202 method 105 Cond. C (70,000 ft.)(190 vrms)
RF Leakage (min. dB down)	60 dB-FGHz	Hermeticity	N/A
RF High Potential (max. vrms)	340 AT 5MHz	Captivation Min. Axial Force Min. Radial Torque	6 Lbs. 2 Inch Ounces
Dielectric Withstanding Voltage (max. vrms)	500		
Insulation Resistance (min. megohms)	5000		
Contact Resistance Center Contact (max. milliohms) Outer Contact (max. milliohms)	4.0 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.)	2.0		

REMARKS: 1.) RECOMMENDED MATING TORQUE: **6-8** INCH POUNDS.

TITLE SSMA R/A CRIMP/SOLDER PLUG	SOLITRON/MICROWAVE PORT SALERNO, FLORIDA	SHEET 2 OF 2	DRAWING NO. 2713-6003	REV B
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