



**MECHANICAL**

Coupling Nut Retention Force: Not applicable for jack connectors. For plug connectors, the axial force is 60 pounds minimum.

Recommended Mating Torque: 7-10 inch-pounds

Coupling Proof Torque: 15 inch-pounds minimum

Force to Engage: 2 inch-pounds

Contact Torque: 3.0 inch-ounces minimum

Durability: 500 Cycles minimum

**MATERIAL:**

Body & Coupling Nut: Corrosion resistant steel Type 303 (STAINLESS) Non-Magnetic, per ASTM-A-484 & ASTM-A-582.

Center Contact: Beryllium Copper, per ASTM-B-196.

Dielectric: PTFE, (Fluorocarbon) per ASTM-D-1457

Gasket: Silicone R. per ZZ-R-765, Class IIB, Grade 65-67.

**FINISH:**

Body & Coupling Nut: Passivated per ASTM-A380, QQ-P-35C, Type II.

Center Contact: Gold Plated per MIL-G-45204 Type II, Grade C, Class 1

**ELECTRICAL**

Frequency: DC-27 GHz

Nominal Impedance: 50 Ohms

Temperature Rating: -65°C to +165°C

VSWR:

DC-18.0 GHz: 1.20 Max.

18.0-27.0 GHz: 1.35 Max.

Dielectric Withstanding Voltage, Sea Level: 1000 Volts RMS

DWG NO. **SMAP-SMAP-RA**

USED ON: **"OUTLINE DRAWING"**

REVISIONS		
LTR:	DESCRIPTION: (ECN#)	DATE:
--	DWG. RELEASED	02/22/02
A	ECN. #1091	02/05/04

TITLE: **SMA MALE TO SMA MALE RIGHT ANGLE (90°)**

SCALE: NTS CAGE CODE: **OT8L4** SIZE: A SHEET: 1 OF 1 DRAWN: LRH || APPR:

- UNLESS OTHERWISE SPECIFIED:
1. REMOVE ALL BURRS.
  2. ALL DIMENSIONS ARE AFTER PLATING.
  3. BREAK ALL CORNERS & EDGES .005 R. MAX.
  4. CHAMFER 1st & LAST THREADS 45°.
  5. DIAMETERS ON COMMON CENTERS SHALL BE CONCENTRIC WITHIN .002 T.I.R.
  6. ALL SURFACES FINISHED TO 32√.

TOLERANCES ALL DIMENSIONS ARE IN INCHES "DECIMALS"

.X ±.030  
.XX ±.010  
.XXX ±.005



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