



## MECHANICAL

Coupling Nut	Not applicable for jack connectors.
Retention Force:	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.

**SMAJ-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 FEMALE  
RIGHT ANGLE (90°)**

SCALE: NTS

CAGE CODE: **0T8L4**

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 32V.

TOLERANCES  
ALL DIMENSIONS  
ARE IN INCHES  
"DECIMALS"

.X ±.030  
.XX ±.010  
.XXX ±.005



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