

**SPECIFICATIONS**

**ELECTRICAL**

FREQUENCY RANGE \_\_\_\_\_ DC - 27 GHz  
 VSWR \_\_\_\_\_ SEE TABLE  
 IMPEDANCE \_\_\_\_\_ 50 OHMS  
 TEMPERATURE RANGE (°C) \_\_\_\_\_ -55 TO +125  
 POWER (AVG) \_\_\_\_\_ 1 WATTS  
 POWER DERATES LINEARLY FROM +45°C TO <10% @+125°C  
 POWER (PEAK) \_\_\_\_\_ 500 WATTS  
 (<5 μ SEC PW, <1% DUTY CYCLE)

**MECHANICAL**

INNER CONDUCTOR: \_\_\_\_\_ BERYLLIUM COPPER PER  
 ASTM B196 & B197.  
 OUTER CONDUCTOR: \_\_\_\_\_ STEEL, CORROSION RESISTANT PER  
 ASTM A484 & A582, CLASS 303, COND. A.  
 DIELECTRIC: TEFLON PER ASTM D1710.

**FINISH**

INNER CONDUCTOR: \_\_\_\_\_ GOLD PLATED PER MIL-PRF-39012.

HOUSING/COUPLING NUT FINISH PER SUFFIX (REPLACING -0X IN P/N)  
 -00 OUTER CONDUCTOR/NUT GOLD PLATED  
 -02 OUTER CONDUCTOR/NUT PASSIVATED SS  
 -01 OUTER CONDUCTOR GOLD PLATED, NUT PASSIVATED SS

ADD C FOR 2-2.5" CHAIN ATTACHED

CONNECTOR INTERFACE COMPLIES WITH MIL-PRF-39012 AND MIL-STD-348  
 FOR SMA MATING CHARACTERISTICS.

**RoHS COMPLIANT DEVICE**

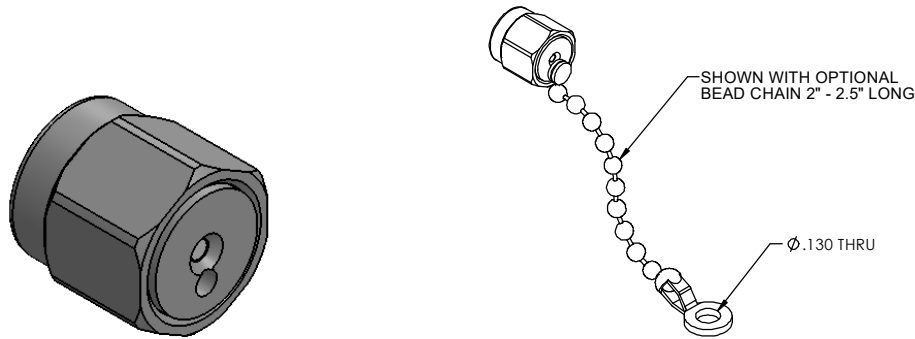
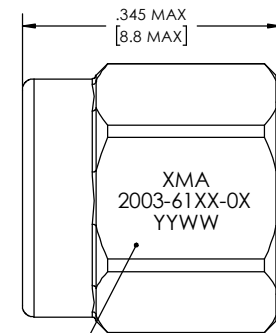
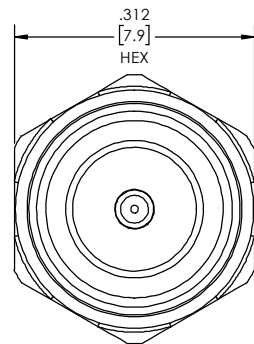
**MARKING**

PART LOOKS LIKE PRODUCT IMAGE ABOVE.  
 PART MARKING ORIENTATION AND FORMAT AS SHOWN.  
 MARKING TO BE AS LARGE AS POSSIBLE, CLEAR AND READABLE.  
 YYWW EQUALS DATE CODE.

REVISIONS				
REV	DESCRIPTION	ECO #	DATE	APPROVED
F	SEPARATED 2001 & 2003;NEW TITLEBLOCK	14-355	10/23/14	T.KUHN
G	ADDED 2003-6115-0X TO TABLE	15-073	3/31/15	T.KUHN
H	DELETED 2003-6118-0X FROM TABLE	17-113	7/20/17	T.KUHN
J	ADDED CHAINED VERSION TO BOM	18-010	1/24/18	T.KUHN

FREQUENCY (GHz)	VSWR DC-4 (GHz)	VSWR 4-12.4 (GHz)	VSWR 12.4-18 (GHz)	VSWR 18-26.5 (GHz)	PART NUMBER
DC-4.0	DC-1 1.05:1 2-4 1.10:1	-	-	-	2003-6151-0X
DC-12.4	1.05:1	1.05:1	-	-	2003-6116-0X
DC-18.0	1.05:1	1.05:1	1.10:1	-	2003-6117-0X
	1.10:1	1.10:1	1.10:1	-	2003-6111-0X
	1.05:1	1.15:1	1.20:1	-	2003-6112-0X
DC-26.5	1.10:1	1.20:1	1.30:1	-	2003-6113-0X
	1.05:1	1.10:1	1.20:1	1.30:1	2003-6110-0X
	1.10:1	1.20:1	1.30:1		2003-6115-0X*

\*INCLUDES 2" TO 2.5" BEAD CHAIN



CHAIN	NO CHAIN	PART NUMBER	DESCRIPTION	ITEM NO.
		2003-61XX-0X	TERMINATION, SMA-m, DC-27GHz	
-	1	TA-2003-6000-0YYYYU	ASSEMBLY, TERMINATION, SMA-m, DC-27GHz, UNMARKED	1
1	-	TA-2003-6115-0YYUCU	ASSEMBLY, TERMINATION, SMA-m, DC-27GHz, UNMARKED, WITH CHAIN	

DRAWING PRACTICES PER ANSI Y14.5 DIMENSIONS ARE IN INCHES AND APPLY BEFORE/AFTER PROCESSING SURFACE ROUGHNESS IN INCHES: 63 FINISH: SEE NOTES MATERIAL: REMOVE ALL BURRS/SHARP W/ BREAK / R OF .003" TO .0005" NOTE: THIS DRAWING INCORPORATES THIRD ANGLE PROJECTION. INTERPRET LAW ANSI Y14.5-1982	UNLESS OTHERWISE SPECIFIED TOLERANCES IN: DECIMALS INCH (MM) X" .05" [1.27] .XX" .03" [.76] .XXX" .010" [.25]	DRAWN DATE MCCORMICK 10/23/14 CHECKED DATE MCCORMICK 10/23/14 ENG APPR. DATE T.KUHN 10/23/14	Phone: 603-222-2256 Fax: 603-222-2259 150 Dow Street, Manchester, NH 03103
TERMINATION, SMA-m, DC-27GHz, 1W			SCALE: C CAGE CODE: 3HT76 DRAWING NUMBER: 2003-61XX-0X REV: J