

**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**

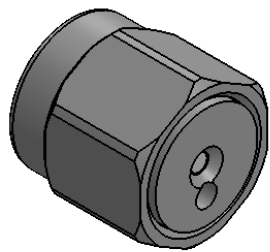
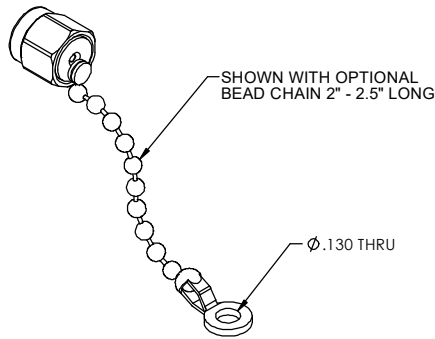
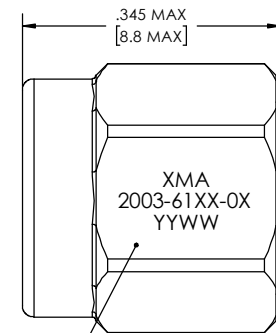
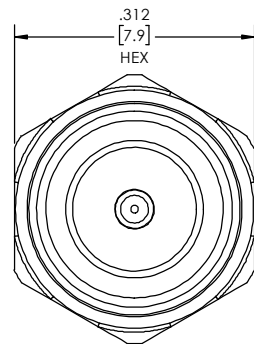
**MARKING**

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
J	ADDED CHAINED VERSION TO BOM	18-010	1/24/18	T.KUHN
K	4-12.4GHz VSWR WAS 1.05:1, 6117 AND 6117	18-121	8/13/18	T.KUHN
L	MOVED 2003-6115 TO 18 GHz AREA	19-043	4/10/19	T.KUHN
M	CHANGED VSWR FOR -6117 & -6111	20-027	2/20/20	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	1.10:1	-	-	2003-6116-0X
DC-18.0	1.05:1	1.10:1	1.15:1	-	2003-6117-0X
	1.10:1	1.10:1	1.15:1	-	2003-6111-0X
	1.05:1	1.15:1	1.20:1	-	2003-6112-0X
	1.10:1	1.20:1	1.30:1	-	2003-6113-0X
DC-26.5	1.10:1	1.20:1	1.30:1	-	2003-6115-0X*
DC-26.5	1.05:1	1.10:1	1.20:1	1.30:1	2003-6110-0X

\*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-2003-6000-0XYYU	ASSEMBLY, TERMINATION, SMA-m, DC-27GHz, UNMARKED	1
1	-	TA-2003-6115-0XYYCU	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" UNLESS OTHERWISE NOTED DIAS CONCENTRIC <.003 T.I.R.

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]

ANGLES ±0°30'  
 REMOVE ALL BURRS/SHARP W/ BREAK / R OF .003" TO .0005" UNLESS OTHERWISE NOTED DIAS CONCENTRIC <.003 T.I.R.

DO NOT SCALE PRINT

DRAWN DATE  
 MCCORMICK 10/23/14

CHECKED DATE  
 MCCORMICK 10/23/14

ENG APPR. DATE  
 T.KUHN 10/23/14

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**XMA** Omni Spectra<sup>®</sup>

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TERMINATION, SMA-m, DC-27GHz, 1W

SIZE	CAGE CODE	DRAWING NUMBER	REV
C	3HT76	2003-61XX-0X	M

SCALE: PLATED AREA 50 IN SHEET 1 OF 1