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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°CPOWER (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

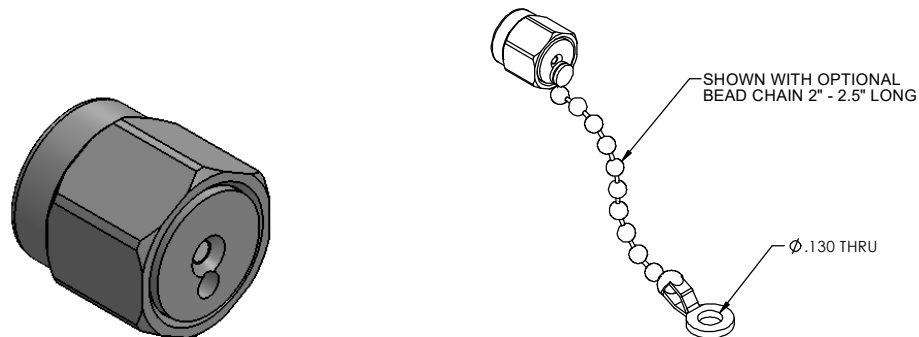
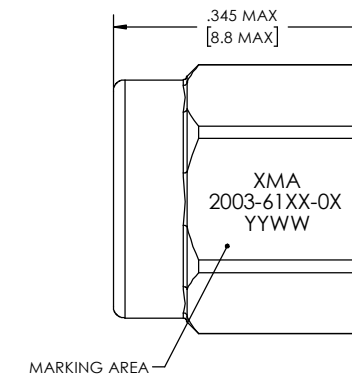
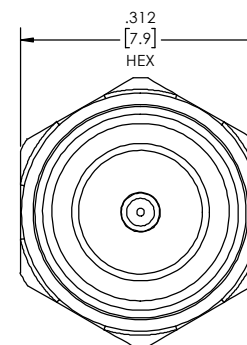
MARKING

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*
	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	63
SURFACE ROUGHNESS INCHES	
FINISH:	
SEE NOTES	
MATERIAL:	
SEE NOTES	
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 VW/ BREAK / R OF .003" TO .0005"			
UNLESS OTHERWISE NOTED DIAS CONCENTRIC <.003 T.I.R.			
DO NOT SCALE PRINT			

DRAWN MCCORMICK	DATE 10/23/14
CHECKED MCCORMICK	DATE 10/23/14
ENG APPR. T.KUHN	DATE 10/23/14
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UNMARKED, WITH CHAIN			
		Phone 603-222-2256 Fax 603-222-2259 150 Dow Street, Manchester, NH 03103	
TITLE			
TERMINATION, SMA-m, DC-27GHz, 1W			
SIZE	CAGE CODE	DRAWING NUMBER	REV
C	3HT76	2003-61XX-0X	M
SCALE	PLATED AREA SQ. IN	SHEET 1 OF 1	