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ELECTRICAL

SPECIFICATIONS

FREQUENCY RANGE \_\_\_\_\_ DC - 26.5 GHz  
 VSWR \_\_\_\_\_ SEE TABLE  
 IMPEDANCE \_\_\_\_\_ 50 OHMS  
 TEMPERATURE RANGE \_\_\_\_\_ -65°C TO +125°C  
 POWER (AVG) \_\_\_\_\_ 1 WATT  
 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: \_\_\_\_\_ STAINLESS STEEL, 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" TO THE END OF PART NUMBER FOR CHAINED UNITS. (EXCLUDING PARTS 2001-6105-0X AND 2001-6115-0X)

**\*\* EXCEPTION FOR THE 200X-6151-02, OUTER HOUSING IS GOLD PLATED AND NUT IS PASSIVATED**

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

RoHS COMPLIANT DEVICE

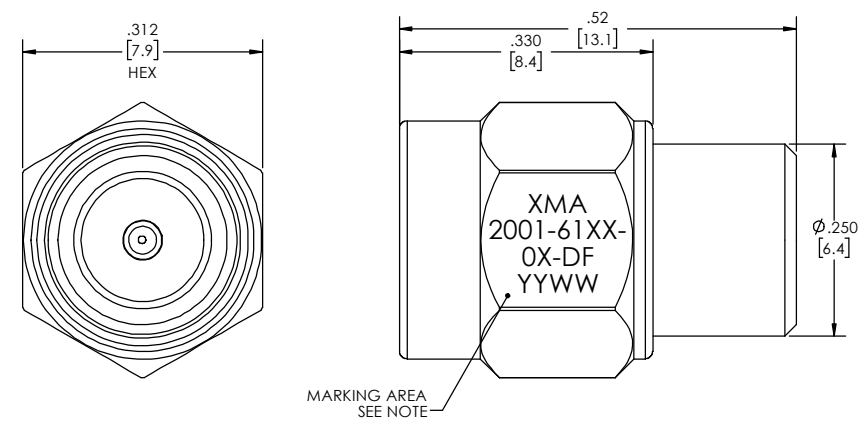
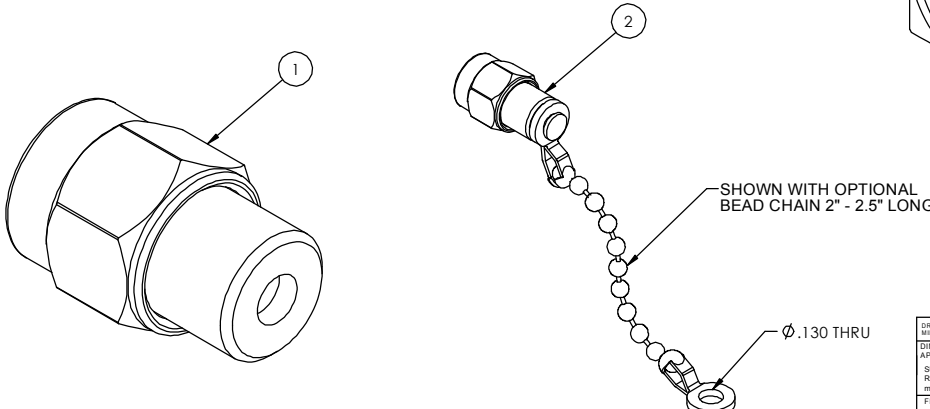
MARKING

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

REVISIONS				
REV	DESCRIPTION	ECO #	DATE	APPROVED
B	MODIFIED TABLE; 2001-6143-0X	15-245	8/11/15	T.KUHN
C	REVISED MARKING AREA	15-297	10/7/15	T.KUHN
D	ADDED ** NOTE TO TABLE; LENGTH TOL	16-143	6/23/16	T.KUHN
E	REMOVED 2001-6118-0X	17-046	17-046	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	DC-1 1.05:1 2-4 1.10:1	-	-	-	2001-6151-02-DF**	
DC-12.4	1.05:1	1.05:1	-	-	2001-6116-0X-DF	
DC-18	1.05:1	1.10:1	1.25:1	-	2001-6144-0X-DF	
	1.05:1	1.15:1	1.15:1	-	2001-6105-0X-DF *	
	1.05:1	1.15:1	1.15:1	-	2001-6100-0X-DF	
	1.05:1	1.15:1	1.20:1	-	2001-61010X-DF	
	1.05:1 +0.01 f (GHz) DC - 18GHz				-	2001-6143-0X-DF
	1.05:1	1.05:1	1.10:1	-	2001-6117-0X-DF	
	1.10:1	1.10:1	1.10:1	-	2001-6111-0X-DF	
	1.05:1	1.15:1	1.20:1	-	2001-6112-0X-DF	
	1.10:1	1.20:1	1.30:1	-	2001-6113-0X-DF	
	1.10:1	1.20:1	1.30:1	-	2001-6115-0X-DF *	
DC-26.5	1.05:1	1.10:1	1.20:1	1.30:1	2001-6110-0X-DF	
1.05:1 + .007f (GHz) DC TO 26.5 GHz					2001-6119-0X-DF	

\* WITH 2" TO 2.5" MONEL BEAD CHAIN  
 \*\* EXCEPTION FOR THE 200X-6151-02, OUTER HOUSING IS GOLD PLATED AND NUT IS PASSIVATED



NO CHAIN	CHAIN	PART NUMBER	DESCRIPTION	ITEM NO.
		2001-61XX-0X-DF	TERMINATION, SMA-m, DC-26.5 GHz	
1	-	TA-2001-6000-0XYY-DFU	ASSEMBLY, TERMINATION, SMA-m, DC-26.5 GHz, UNMARKED	1
-	1	TA-2001-6000-0XYY-DFUC	ASSEMBLY, TERMINATION, SMA-m, DC-26.5 GHz, CHAINED, UNMARKED	2

DRAWING PRACTICES PER ANSI Y14.5  
 DIMENSIONS ARE IN INCHES AND APPLY BEFORE/AFTER PROCESSING  
 SURFACE FINISH: 63  
 FINISH: ✓  
 MATERIAL: \_\_\_\_\_  
 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.F.

DO NOT SCALE PRINT

DRAWN: MCCORMICK DATE: 2/5/15  
 CHECKED: MCCORMICK DATE: 2/5/15  
 ENG APPR: T.KUHN DATE: 2/5/15

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TERMINATION, SMA-m, DC-26.5 GHz, DFARS

SIZE	CAGE CODE	DRAWING NUMBER	REV
C	3HT76	2001-61XX-0X-DF	E

SCALE: PLATED AREA 50 IN SHEET 1 OF 1

This unit use raw materials that are in accordance with DFAR Clause 252.225-7014, "Preference For Domestic Specialty Metals, Alt. 1" Metals must have been melted in the United States, its outlying areas, or a qualifying country listed in DFARS 225.872-1.

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