

ELECTRICAL SPECIFICATIONS

VSWR:	DC TO 4 GHz	<1.10
	4 TO 12.4 GHz	<1.20
	12.4 - 27 GHz	<1.35
IMPEDANCE	50 OHMS	
TEMPERATURE RANGE (°C)	-55 TO +125	
POWER (AVG)	2 WATTS**	
POWER (PEAK)	500 WATTS ($<5 \mu\text{SEC PW, } <1\% \text{ DUTY CYCLE}$)	

**POWER DERATES LINEARLY FROM +45°C TO 10% @+125°C

MATERIALS

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 PN)

- 00 OUTER CONDUCTOR/NUT GOLD PLATED
 - 02 OUTER CONDUCTOR/NUT PASSIVATED SS
 - 01 OUTER CONDUCTOR GOLD PLATED, NUT PASSIVATED SS
- ADD C25 FOR 2-2.5" CHAIN ATTACHED

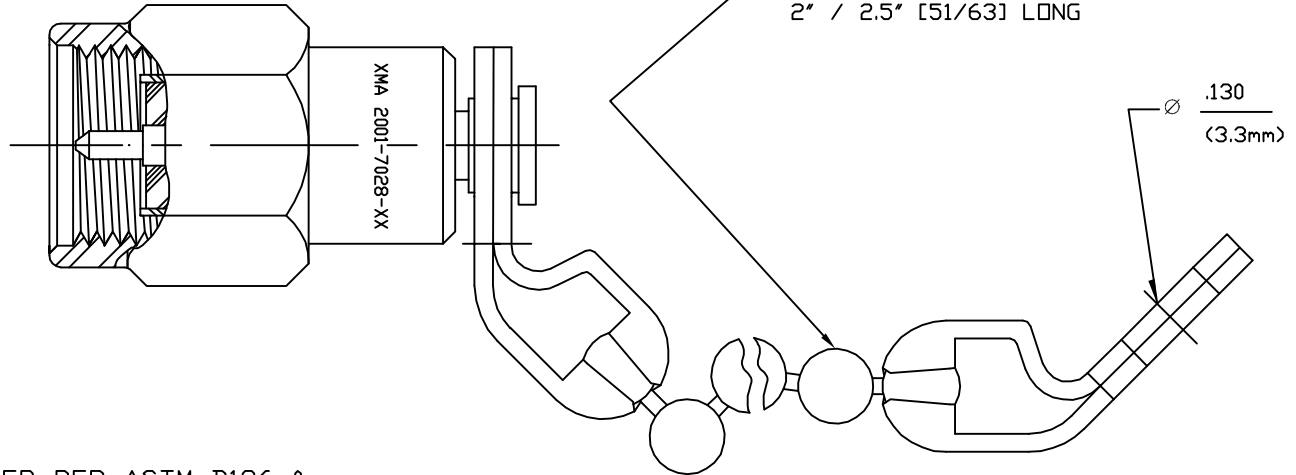
CONNECTOR INTERFACE COMPLIES WITH MIL-PRF-39012 AND MIL-STD-348 FOR SMA MATING CHARACTERISTICS. HIGH FREQUENCY (27 GHz) DESIGN.

PRODUCTION
RELEASE

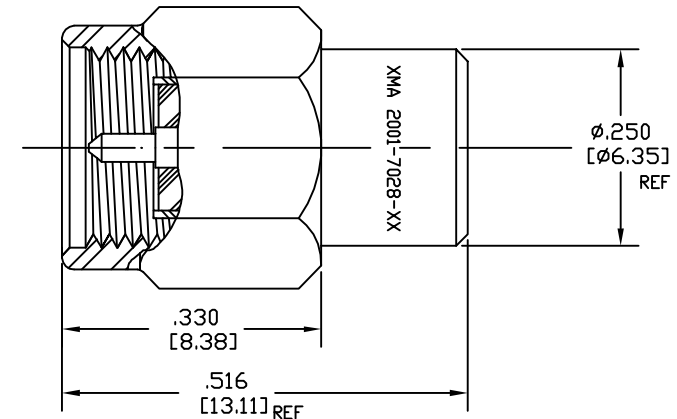
NOTE:
THIS DRAWING INCORPORATES
THIRD ANGLE PROJECTION.
INTERPRET IN ACCORDANCE WITH
ANSI Y14.5-1995

REVISIONS		
REV	DESCRIPTION	APPROVED
B	ADDED .093 CHAIN AND INCREASED FREQ. TO 27 GHz	04/27/2011 D. Saunders

2001-7028-0X-C25



2001-7028-0X



DRAWING PRACTICES PER ANSI Y14.5 MIL-STD-883C & 1000	UNLESS OTHERWISE SPECIFIED TOLERANCES IN INCHES DECIMALS FRACTIONS ANGLES FINISH SURFACE ROUGHNESS	INCH FRACTIONS DECIMALS ANGLES FINISH SURFACE ROUGHNESS	MM FRACTIONS DECIMALS ANGLES FINISH SURFACE ROUGHNESS
SEE NOTES	SEE NOTES	SEE NOTES	SEE NOTES

DATE 01/14/2010	DATE 01/14/2010
CHECKED D. SAUNDERS	CHECKED D. SAUNDERS

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WWW.XMACORP.COM Sales@XMACORP.COM	
XMA Omni Spectra®	
XMA Corp. 150 Dow St. Manchester, NH 03045 (603) 222-2256 fax 222-2259	
TITLE SMA Termination 27 GHz	
SIZE C	CAGE CODE 3HT76
SCALE 8:1	DWG NO. 2001-7028-XX
PLATING AREA COLOR REF. BEHES	XXX SHEET 1 OF 1