

MECHANICAL SPECIFICATIONS

**PRODUCTION
RELEASE**

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

REVISIONS

REV	DESCRIPTION	APPROVED
D	REVISED VSWR & DIAMETER	01/14/2010 D. Saunders

INTERFACE MATES / COMPLY WITH MIL-STD-348 FOR TYPE N

MATERIALS (ALL PER MIL-PRF-39012 & MIL-DTL-39030)

INNER CONDUCTOR:

BERYLLIUM COPPER PER ASTM B196 & B197, GOLD
PLATED FINISH PER MIL-PRF-39012

OUTER CONDUCTOR/NUT/CHAIN EYELETS:

STAINLESS STEEL, CORROSION RESISTANT PER
ASTM A484 & A582, CLASS 303, COND. A.,
PASSIVATED SS FINISH

DIELECTRIC: TEFLON PER ASTM D1710.

FOR UNMARKED UNITS OR FOR CUSTOM MARKING CONTACT FACTORY FOR
PART NUMBER / SUFFIX TO APPEND TO MODEL NUMBER

MEETS ALL ENVIRONMENTAL REQUIREMENTS IN MIL-DTL-39030

ELECTRICAL SPECIFICATIONS

Frequency Range _____ DC - 18 GHz

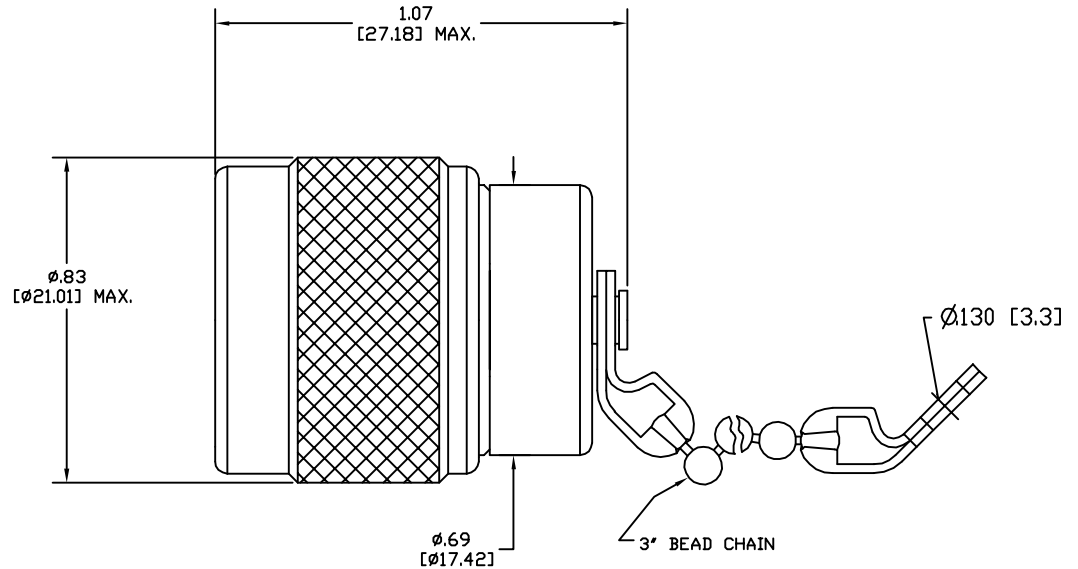
VSWR: DC - 4 GHz _____ 1.10:1
 4 - 8 GHz _____ 1.15:1
 8 - 12.4GHz _____ 1.20:1
 12.4 - 18GHz _____ 1.25:1

IMPEDANCE _____ 50 OHMS

TEMPERATURE RANGE (°C) _____ -65 TO +125 OPERATING
 +150° STORAGE

POWER (AVG) _____ 2 WATTS**
 POWER (PEAK) (<5 μ SEC PW, <1% DUTY CYCLE) _____ 500 WATTS

**POWER DERATES LINEARLY FROM +25°C TO <10% @ +125°C CASE



DRAWING PRACTICES PER ANSI Y14.5-1995 MIL-STD-883C & 1000	UNLESS OTHERWISE SPECIFIED TOLERANCES IN:	DRAWN D. SAUNDERS	DATE 01/14/2010
DIMENSIONS ARE IN INCHES AND APPLY BEFORE/AFTER PROCESSING	DECIMALS INCH MM .XX" .05" [1.3] .XXX" .030" [.76] .XXXX" .015 [.38] .XXXXX" .0005" [.013]	CHECKED	DATE
SURFACE ROUGHNESS	ANGLES ±	ENG. D. SAUNDERS	DATE 01/14/2010
FINISH		THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF XMA CORP / OMNI SPECTRA AND SHALL NOT BE REPRODUCED, COPIED NOR USED - IN WHOLE OR IN PART - AS A BASIS FOR THE DESIGN, MANUFACTURE OR SALE OF OTHER ITEMS WITHOUT THE EXPRESS WRITTEN PERMISSION OF XMA CORP. CUSTOMERS AND VENDORS MAY COPY FOR INTERNAL REVIEW USE AS NEEDED	
SEE NOTES	UNLESS OTHERWISE NOTED DIAS CONCENTRIC <.003 T.I.R.	TITLE 2 WATT TYPE N TERMINATION 18 GHz	
MATERIAL		SIZE C	CAGE CODE 3HT76
SEE NOTES		DWG NO. 3001-6125-02	SCALE 5 : 1

WWW.XMACORP.COM Sales@XMACORP.COM

XMA Powered by **Omni Spectra®**

XMA Corp. 150 Dow St. Manchester, NH 03045 (603) 222-2256 fax 222-2259

SIZE C	CAGE CODE 3HT76	DWG NO. 3001-6125-02
SCALE 5 : 1	PLATING AREA SQUARE INCHES	XXX SHEET 1 OF 1