

# MECHANICAL SPECIFICATIONS

**PRODUCTION  
RELEASE**

NOTE:  
THIS DRAWING INCORPORATES  
THIRD ANGLE PROJECTION  
INTERPRET IN ACC. WITH Y14.5-1993

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

3001-6120-02	DC - 18 GHz
3001-6121-02	DC - 12.4 GHz
3001-6124-02	DC - 18 GHz*
3001-6125-02	DC - 12.4 GHz*

\* = COMES WITH OPT. CHAIN SHOWN

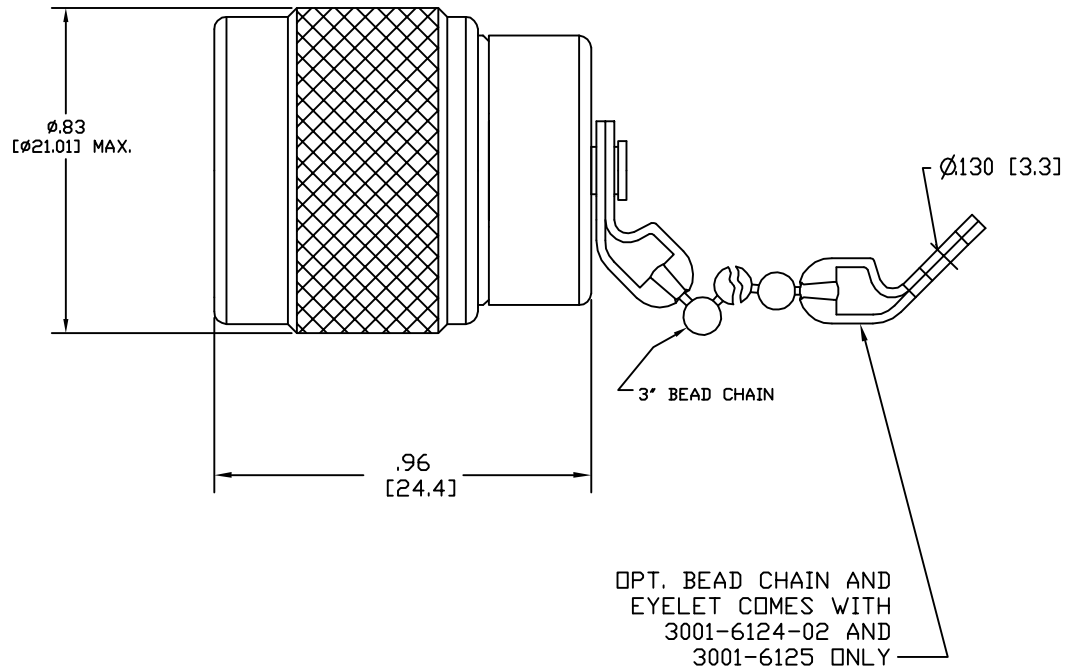
VSWR:	DC - 4 GHz	1.10:1
	4 - 8 GHz	1.15:1
	8 - 12.4GHz	1.20:1
	12.4 - 18GHz	1.25:1

IMPEDANCE 50 OHMS

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

POWER (AVG) 2 WATTS\*\*  
POWER (PEAK) (<5 μ SEC. PW, <0.05% DUTY CYCLE) 500 WATTS

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



DRAWING PRACTICES PER ANSI Y-34.5 MIL-STD-100 & 1000		UNLESS OTHERWISE SPECIFIED TOLERANCES IN:		DRAWN D. SAUNDERS 01/14/2010		DATE
DIMENSIONS ARE IN INCHES AND APPLY BEFORE/AFTER PROCESSING		DECIMALS	INCH	MIL	CHECKED	DATE
SURFACE ROUGHNESS		.XX	.05	[1.3]	D. SAUNDERS	01/14/2010
FINISH		.XXX	.030	[.76]	THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF XMA CORP. OWN 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 WEDED	
SEE NOTES		.XXXX	.015	[.39]	SCALE 5 : 1	
MATERIAL		.XXXXX	.0005	[.013]	CAGE CODE 3HT76	
SEE NOTES		ANGLES ±		DWG NO. 3001-612X-02		PLATING AREA SOLDER - INCHES
		UNLESS OTHERWISE NOTED DIAS CONCENTRIC <.003 T.I.R.		SCALE 5 : 1		XXX SHEET 1 OF 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

TITLE  
**2 WATT TYPE N TERMINATION  
18 GHz**

SIZE C CAGE CODE 3HT76 DWG NO. 3001-612X-02

SCALE 5 : 1 PLATING AREA SOLDER - INCHES XXX SHEET 1 OF 1