

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

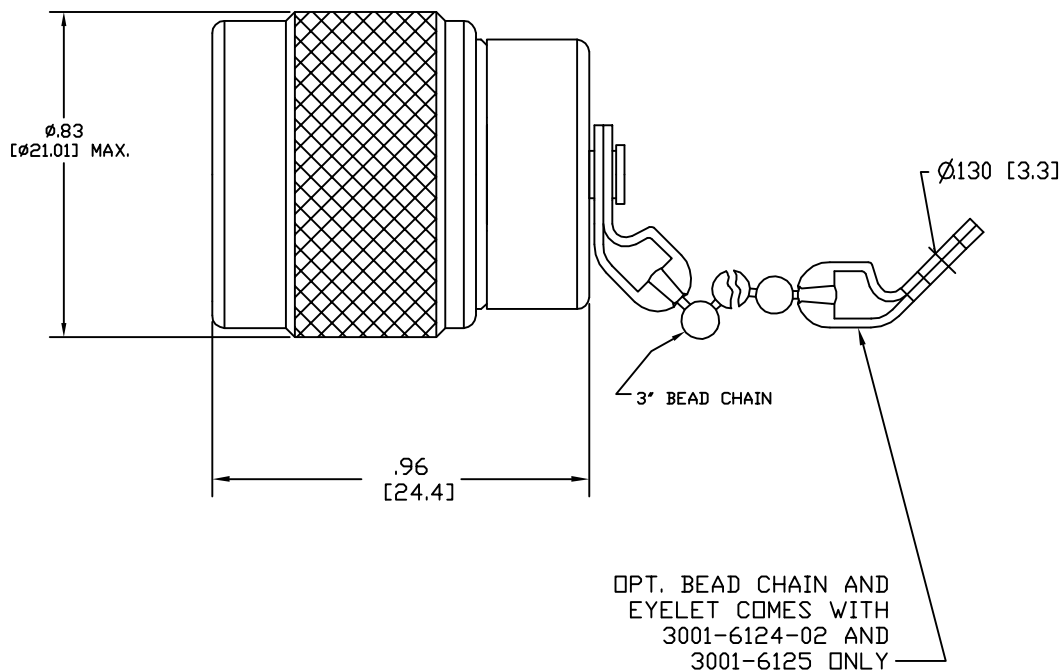
VSWR:	DC - 4 GHz	1.10:1
	4 - 8 GHz	1.15:1
	8 - 12.4GHz	1.20:1
	12.4 - 18GHz	1.25:1

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 ASME Y14.5-1993
MIL-STD-100 & 1000

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES AND
APPLY BEFORE/ AFTER PROCESSING

SURFACE
ROUGHNESS

FINISH

MATERIAL

UNLESS OTHERWISE SPECIFIED
TOLERANCES IN

DECIMALS INCH MM

ANGLES ±

UNLESS OTHERWISE NOTED
DIAS CONCENTRIC <.003 T.I.R.

DRAWN
D. SAUNDERS

CHECKED

DATE
01/14/2010

DATE
01/14/2010

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TITLE
2 WATT TYPE N TERMINATION

18 GHz

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

SCALE 5:1 PLATING AREA XXX SHEET 1 OF 1