

ELECTRICAL

FREQUENCY RANGE DC TO 18 GHz

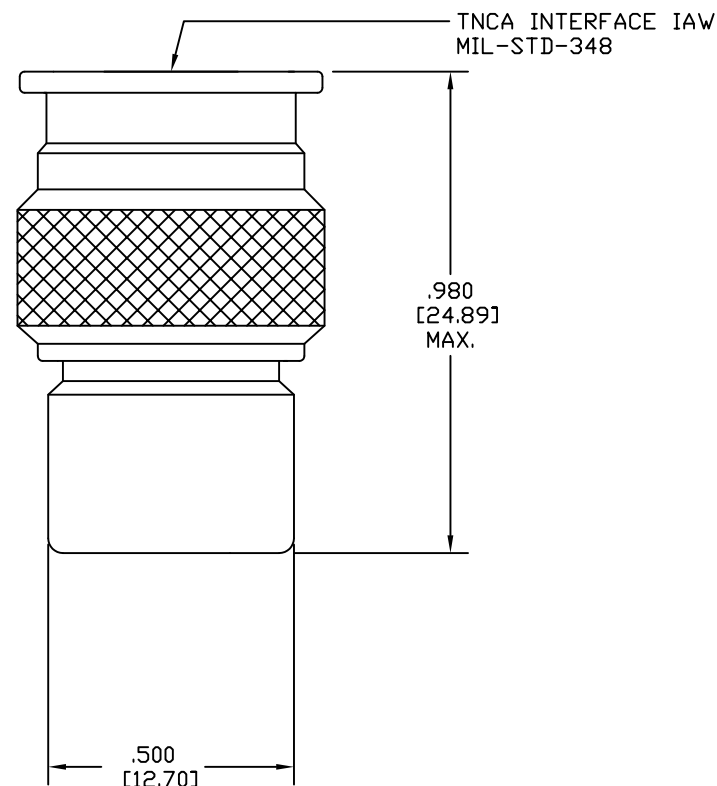
VSWR (MAX) DC-12.4 GHz 1.15
12.4-18 GHz 1.25

POWER__ (AVG.)___ 2 WATTS*
(PEAK) 500 WATTS**

* POWER DERATES LINEARLY FROM 100% @25°C TO 10% @ 125°C
++ @ ≤5 μSec PULSE W, & ≤0.05% DUTY CYCLE

IMPEDANCE 50 OHMS

TEMP RANGE (OPERATING) -55 TO +125°C
(STORAGE) -65 TO +150°C



- MATERIALS:
Outer Conductor -Stainless Steel Non Magnetic
ASTM A484 & A582, Class 303, COND. A.
Center Conductor --- Beryllium Copper per
ASTM B196 & B197 1/2 Hard.
Dielectric --- Teflon per ASTM D1710.

- Finish
Center Conductor
GOLD PLATED per ASTM-B488 AND MIL-PRF-39012
Chain is Passivated Finish for all units.

Outer Conductor
PASSIVATED SS per ASTM A380.

PRODUCTION
RELEASE

NOTE:
THIS DRAWING INCORPORATES
THIRD ANGLE PROJECTION.
INTERPRET IAW ANSI Y14.5-1992

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
D	REDRAWN INTO AUTOCAD	6/15/12	T. KUHN

DRAWING PRACTICES PER ANSI-Y-14.5 MIL-STD-883 & 1000	
DIMENSIONS ARE IN INCHES AND APPLY BEFORE/AFTER PROCESSING	
SURFACE FINISH	63 ✓
FINISH	SEE NOTES
MATERIAL	SEE NOTES

UNLESS OTHERWISE SPECIFIED TOLERANCES ON	
DIMENSIONS	INCH MM
.X"	.03" [.76]
.XX"	.010" [.25]
.XXX"	.005 [.127]
.XXXX"	.0005" [.013]
ANGLES	±0°30'
REMOVE ALL BURRS/SHARP W/ BREAK / R OF .003" TO .0005" UNLESS OTHERWISE NOTED DIAS CONCENTRIC <.003 T.I.R.	

DRAWN M. TURNER	DATE 8/20/2009
CHECKED	DATE
ENG. T. KUHN	DATE 6/15/12
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www.XMACorp.com Sales@XMACorp.com	
Omni Spectra® Phone: 603-222-2256 Fax: 603-222-2259 150 Dow Street, Manchester, NH 03101	
TITLE TNC PLUG TERMINATION	
SIZE C	CAGE CODE 3HT76
SCALE 5:1	DWG NO. 3101-6120-02
PLATING AREA SQUARE INCHES	XXX SHEET 1 OF 1