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PRELIMINARY
RELEASENOTE:
THIS DRAWING INCORPORATES
THIRD ANGLE PROJECTION.
INTERPRET IN ACCORDANCE WITH ASME Y14.5-2009

REVISIONS

REV	DESCRIPTION	APPROVED
-	INITIATED NEW DRAWING	11/17/10 A.K.G.

SPECIFICATIONS

ELECTRICAL

FREQUENCY RANGE _____ DC TO 18 GHz

VSWR (MAX) _____ $1.05 + .015(f)$ POWER _____ 5 WATTS (AVG)
0.5 KILOWATTS (PEAK)
DERATED LINEARLY FROM 100%
AT +25° C TO 10% AT +125° C
(PEAK) 5μS PULSE W, 0.25% DUTY CYCLE

IMPEDANCE _____ 50 OHMS

MECHANICAL

OPERATING TEMP RANGE -55 TO +125°

WEIGHT MAX. _____ 0.75oz.

MATERIAL

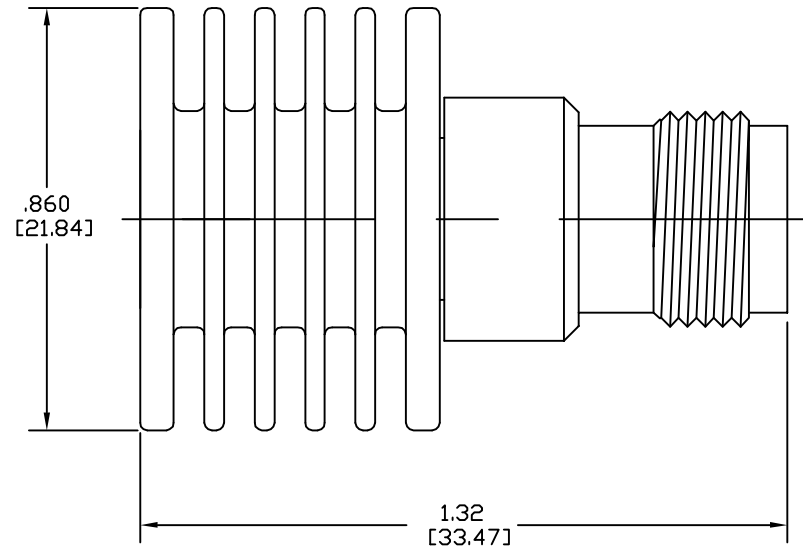
OUTER CONDUCTOR: STAINLESS STEEL NON MAGNETIC,
PASSIVATED FINISH.

CENTER CONDUCTOR: BERYLLIUM COPPER, GOLD PLATED FINISH.

DIELECTRIC: TEFLON

HEAT SINK: ALUMINIUM ALLOY, BLACK ANNOXIDIZED FINISH.

MATERIALS & FINISHES TYPICALLY PER MIL-PRF-39012

DRAWING PRACTICES PER ASME Y14.5
MIL-STD-883C & 1000DIMENSIONS ARE IN INCHES AND
APPLY BEFORE/AFTER PROCESSINGSURFACE
ROUGHNESS 63FINISH
SEE NOTESMATERIAL
SEE NOTESUNLESS OTHERWISE SPECIFIED
TOLERANCES ON

DECIMALS INCH MM

.XX" .03" [.76]

.XXX" .010" [.25]

.XXXX" .005 [.127]

.XXXXX" .0005 [.013]

ANGLES ±0°30'

REMOVE ALL BURRS/SHARP W/
BREAK R OF .003" TO .005"UNLESS OTHERWISE NOTED
DIAS CONCENTRIC <.003 T.I.R.DRAWN
T. MAIN 11/16/2010CHECKED
A. GAGNE 11/17/2010ENG
D. SAUNDERS 11/17/2010THESE DRAWINGS AND
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MANUFACTURE OR SALE OF
ITEMS WITHOUT WRITTEN
PERMISSION.**XMA** Omni Spectra™
150 Dow Street, Manchester, NH 03101 P:603-222-2256 F:603-222-2259TITLE
TNC 5 WATT,
TERMINATION

SIZE CAGE CODE DWG NO.

c 3HT76 3102-6118-80

SCALE 5:1 SHEET 1 OF 1