

5

4

3

2

1

**PRODUCTION
RELEASE**

REVISIONS		DATE	APPROVED
LTR	DESCRIPTION		
A1	ADDED ORDERING INFO	8/4/09	T. KUHN

ELECTRICAL
 FREQUENCY RANGE _____ DC-6, 12.4 AND 18GHz

VSWR
 DC - 6GHz _____ 1.25:1 MAX
 6 - 12.4GHz _____ 1.35:1 MAX
 12.4 - 18GHz _____ 1.45:1 MAX

INPUT POWER _____ 50 WATTS AVG. @ 25°C
 DERATED LINEARLY TO 10 WATTS @ 125°C

PEAK POWER _____ 500 WATTS
 (50Sec PULSE, 85% DUTY CYCLED)

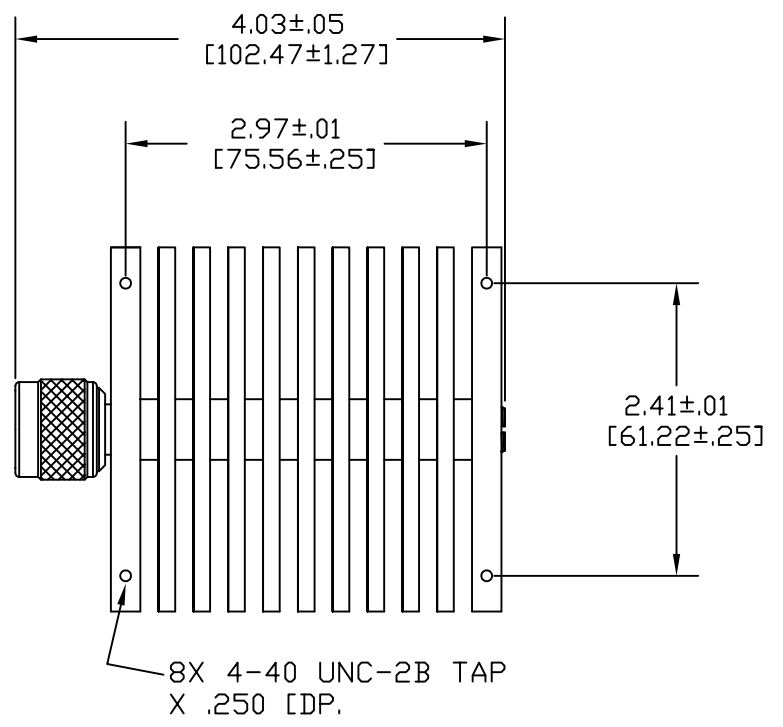
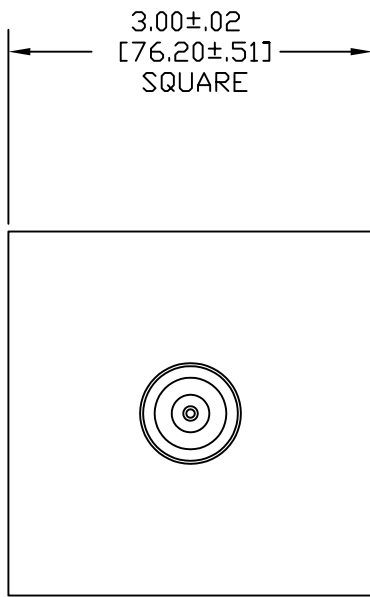
IMPEDANCE _____ 50 OHMS

OPERATING TEMP RANGE _____ -65°C TO +125°C

MECHANICAL
 TYPE N CONNECTOR _____ PASSIVATED STAINLESS STEEL
 CONDUCTORS _____ GOLD PLATED BERYLLIUM COPPER
 HOUSING _____ BLACK ANODIZED ALUMINUM

ORDERING INFORMATION
 3001-7550-FQ TYPE N MALE INPUT
 3002-7550-FQ TYPE N FEMALE INPUT

TO DESIGNATE MAX FREQUENCY REPLACE "-FQ" WITH:
 "-06" = 6 GHz; "-12" = 12.4 GHz; "-18" = 18 GHz



D

C

B

A

D

C

B

A

DRAWING PRACTICES PER ANSI-Y-14.5 MIL-STD-100 & 1000	UNLESS OTHERWISE SPECIFIED	DRAWN DATE
DIMENSIONS ARE IN INCHES AND APPLY BEFORE/AFTER PROCESSING	TOLERANCES IN:	T. KUHN 2/13/07
SURFACE ROUGHNESS 63 ✓	DECIMALS INCH MM	CHECKED
FINISH	.X" .03" [.76]	ENG. DATE
SEE NOTES	.XX" .010" [.25]	T. KUHN 2/13/07
MATERIAL	.XXX" .005 [.127]	DATE
SEE NOTES	.XXXX" .0005" [.013]	DATE
	ANGLES ±0°30'	
	REMOVE ALL BURRS/SHARP W/ BREAK / R OF .003" TO .0005"	
	UNLESS OTHERWISE NOTED	
	DIAS CONCENTRIC <.003 T.I.R.	

XMA Omni Spectra™
 150 Dow Street, Manchester, NH 03101 P:603-222-2256 F:603-222-2259

TITLE
OUTLINE DRAWING
50 W TERM, TYPE N

SIZE B	CAGE CODE 3HT76	DRAWING NUMBER 3001-7550-FQ
SCALE 1:1	PLATED AREA XXX	SHEET 1 OF 1

5

4

3

2

1

BCSI