

## SPECIFICATIONS

### ORDERING INFORMATION

PLUG PN# 4601-6506-80  
JACK PN# 4602-6506-80

### ELECTRICAL

FREQUENCY RANGE DC TO 6 GHz

VSWR(MAX) DC-4 GHz 1.20  
4 - 6 GHz 1.25

POWER 5 WATTS (AVG)  
500 WATTS (PEAK)

\* 5  $\mu$ Sec PULSE WIDTH @ 0.05% DUTY CYCLE

IMPEDANCE: 50 OHMS

### MECHANICAL

OPERATING TEMP RANGE -65 TO +125°

#### Materials

Outer Conductor -Brass, Tri-Metal Alloy (White Bronze) Plated.  
Center Conductor -Beryllium Copper, Gold Plated  
Dielectric -Teflon per ASTM D1710.  
Heat Sink - Aluminum, Black Anodized  
Resistor - Thin Film Hybrid on AlN Ceramic

CONNECTORS ARE TO QMA INTERFACE AND MATE WITH ALL QMA MANUFACTURERS' STANDARD INTERFACES

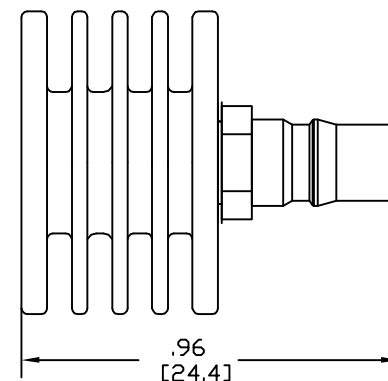
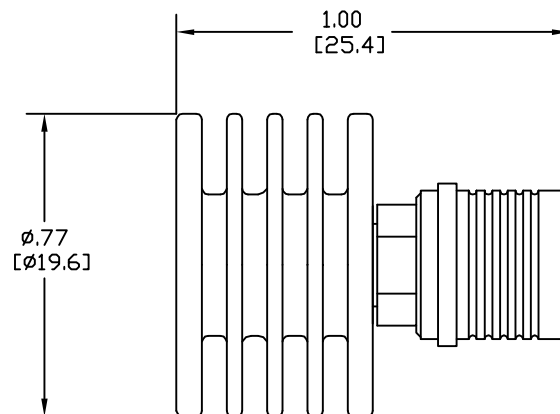
IP68 version is available - contact factory.  
Designs up to 10 Watts and Lower Frequencies available.

PRODUCTION  
RELEASE

NOTE:  
THIS DRAWING INCORPORATES  
THIRD ANGLE PROJECTION  
INTERPRET IN ACCORDANCE WITH  
ANSI Y14.5-1995

#### REVISIONS

REV	DESCRIPTION	APPROVED
-	RELEASED	01/14/2010 D. Saunders



DRAWING PRACTICES PER ASME Y-14.5 MIL-STD-100 & 1000	
DIMENSIONS ARE IN INCHES AND APPLY BEFORE/ AFTER PROCESSING	
SURFACE ROUGHNESS	63 ✓
FINISH	SEE NOTES
MATERIAL	SEE NOTES

UNLESS OTHERWISE SPECIFIED TOLERANCES IN:	
DIMENSIONS	INCH
DECIMALS	.03" [ .76]
XXX	.010" [ .25]
XXXX	.005 [ .127]
XXXXX	.0005" [ .013]
ANGLES	±0°30'
REMOVE ALL BURRS/SHARP V BREAK / R OF .003" TO .005"	
UNLESS OTHERWISE NOTED DIA IS CONCENTRIC <.003 T.I.R.	

DRAWN D. SAUNDERS	DATE 01/14/2010
CHECKED	DATE
ENG. D. SAUNDERS	DATE 01/14/2010
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XMA Omni Spectra®	
XMA Corp. 150 Dow St. Manchester, NH 03045 (603) 222-2256 fax 222-2259	
TITLE QMA Termination, 5 Watts 6 GHz	
SIZE C	CAGE CODE 3HT76
SCALE 4:1	DWG NO. 460X-6506-80
PLATING AREA SQUARE INCHES	XXX SHEET 1 OF 1