

ELECTRICAL SPECIFICATIONS

Frequency Range: DC - 2.5 GHz

ATTENUATION: SEE TABLE

ATTENUATION DEVIATION TOLERANCE: SEE TABLE

VSWR: (MAX.): (1-50 Db) 1.15:1 (DC - 2.5 GHz)

IMPEDANCE: 50 OHMS

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

POWER (AVG) 5 WATTS**
POWER (PEAK) (<5 m SEC. PW, <0.2% DUTY CYCLE) 500 WATTS

**POWER DERATES LINEARLY FROM +25°C TO <10 % @+125°C

DASH NO.	NOM. DB	MAX. DEV.	DASH NO.	NOM. DB	MAX. DEV.
-01	1	±.3	-10	10	±.5
-02	2	±.3	-11	11	±.5
-03	3	±.3	-12	12	±.5
-04	4	±.3	-15	15	±.5
-05	5	±.3	-20	20	±.5
-06	6	±.3	-30	30	±.75
-07	7	±.5	-40	40	±1.25
-08	8	±.5	-50	50	±2.0
-09	9	±.5			

OTHER 5 WATT SMA TYPES AVAILABLE

MAX. FREQ.	ORDER P/N	DB VALUES AVAIL.
4 GHz	2082-6520-DB	1-50 DB STD
6 GHz	2082-6526-DB	1-50 DB STD
12.4 GHz	2082-6510-DB	1-40 DB STD
18 GHz	2082-6524-DB	1-40 DB STD

MECHANICAL SPECIFICATIONS

MATERIALS (ALL PER MIL-PRF-39012 & MIL-DTL-3933)

CENTER CONDUCTOR: BERYLLIUM COPPER PER QQ-C-530, ASTM B196,
ASTM-B197 ALLOYS C17200 OR C17300 PER MIL-PRF-39012.

OUTER CONDUCTOR: STAINLESS STEEL, CORROSION RESISTANT PER ASTM
A484 & A582, CLASS 303, COND. A.

DIELECTRIC: TEFLON PER ASTM D1710.

HOUSING: ALUMINUM (May be one of several QQ-A-XXX or ASTM standards)

RESISTOR SUBSTRATE AIN OR ALUMINUM OXIDE.

FINISH (COMPLY WITH MIL-DTL-3933):

CENTER CONDUCTOR: GOLD PLATED PER MIL-PRF-39012.

OUTER CONDUCTOR: PASSIVATED PER ASTM A380 AND MIL-PRF-39012.

HOUSING: BLACK ANODIZE.

RESISTOR: PROPRIETARY THIN FILM HYBRID WITH PROTECTIVE SiO COATING.

FOR UNMARKED UNITS OR FOR CUSTOM MARKING CONTACT FACTORY FOR PART
NUMBER / SUFFIX TO APPEND TO MODEL NUMBER

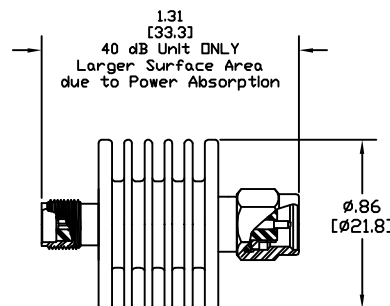
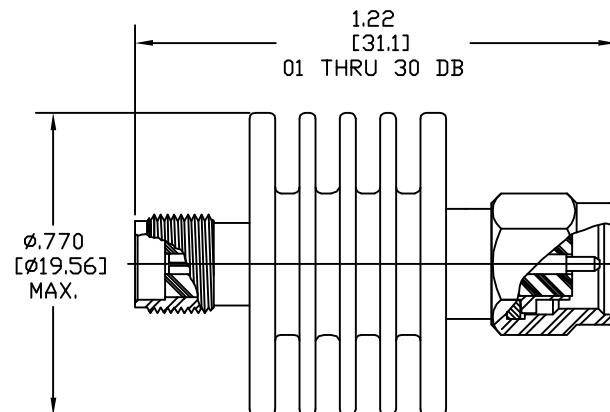
**ENVIRONMENTAL CAPABILITIES AND DESIGN COMPLY WITH MIL-DTL-3933 FOR
CLASS IV DEVICES (SOME PARAMETERS COMPLY WITH TYPE III OR BETTER).**

PRODUCTION
RELEASE

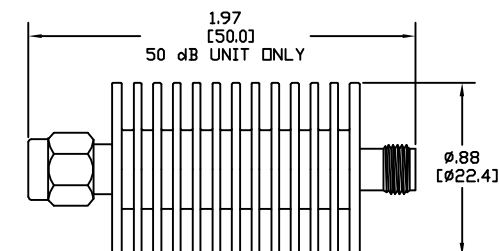
NOTE:
THIS DRAWING INCORPORATES
THIRD ANGLE PROJECTION
INTERPRET IN ACCORDANCE WITH
ANSI Y14.5-1995

REVISIONS

REV	DESCRIPTION	DATE	APPROVED
-	INITIATED NEW DRAWING	05/19/11	D.S.S



NOT TO SCALE



NOT TO SCALE

DRAWING PRACTICES PER ANSI Y14.5
MIL-STD-100 & 1000

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

SURFACE
ROUGHNESS 63

FINISH
SEE NOTES

MATERIAL
SEE NOTES

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

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DRAWN
T. MAIN
DATE
05/19/2011

CHECKED
DATE

ENG.
D. SAUNDERS
DATE
05/19/2011

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SPECIFICATIONS ARE THE PROPERTY
OF XMA CORP. OR OMNISPECTRA
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XMA Powered by: Omni Spectra® Phone: 603-222-2256 Fax: 603-222-2259 150 Dow Street, Manchester, NH 03101	
TITLE 5 Watt SMA Attenuator Air Cooled, up to 2.5 GHz	
SIZE C	CAGE CODE 3HT76
SCALE 4:1	DWG NO. 2082-6522-DB
PLATING AREA SQUARE INCHES XXX	
SHEET 1 OF 1	