

**PRODUCTION
RELEASE**

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

REVISIONS		
REV	DESCRIPTION	APPROVED
-	INITIATED NEW DRAWING	07/06/2011 D. Saunders

SPECIFICATIONS

ELECTRICAL

FREQUENCY RANGE 2082-6418-dB _____ DC -18 GHz
 2082-6412-dB _____ DC - 12.4 GHz
 2082-6406-dB _____ DC - 6 GHz

ATTENUATION ACCURACY _____ 0-6 +/- 0.30
 _____ 6.5-20 +/- 0.50
 _____ 21-30 +/- 0.50
 _____ 40 +/- 1.0

VSWR (MAX for Part Number Freq. Range)

DC - 4 GHz _____ 1.15:1 MAX
 4 - 12.4 GHz _____ 1.25:1 MAX
 12.4 - 18 GHz _____ 1.35:1 MAX.

POWER (AVE): _____ 2 WATTS

DERATE LINEARLY FROM 25°C to 10% @ 125°

POWER (PEAK): _____ 500 WATTS

At 5µ Second Pulse Width & 0.05% Duty Cycle

IMPEDANCE _____ 50 OHMS

OPERATING TEMP RANGE _____ -54°C TO +125°C

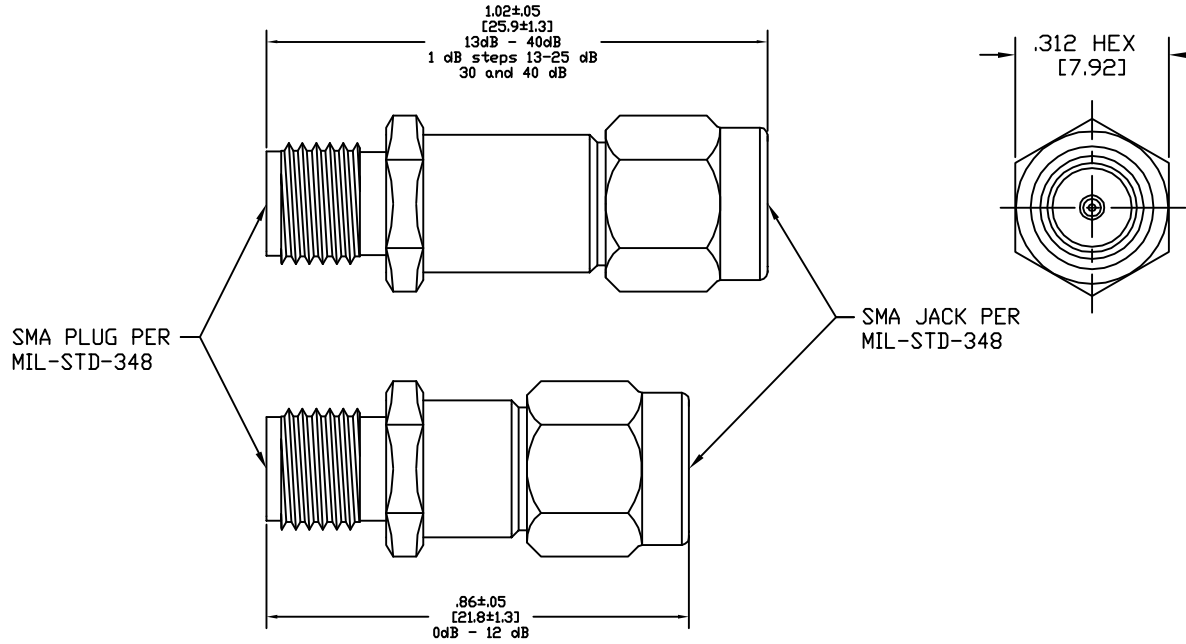
MECHANICAL

SMA CONNECTOR _____
 HOUSING _____ PASSIVATED STAINLESS STEEL

SMA CONNECTOR _____
 CENTER CONTACT _____ GOLD PLATED BERYLLIUM COPPER

RESISTIVE ELEMENT _____ THIN FILM HYBRID ON
 _____ 99.6% ALUMINA SUBSTRATE

CONNECTOR _____
 INTERFACE IAW MIL-STD-348 & MIL-PRF-39012



DRIVING PRACTICES PER ANSI-Y14.5 MIL-STD-100 & 1000	UNLESS OTHERWISE SPECIFIED TOLERANCES IN	DRAWN T. MAIN	DATE 06/30/2011
DIMENSIONS ARE IN INCHES AND APPLY BEFORE/AFTER PROCESSING	DIGITALS INCH MM	CHECKED	DATE
SURFACE ROUGHNESS 63 ✓	.XX" .03" [.76] .XXX" .010" [.25] .XXXX" .005 [.127] .XXXXX" .0005 [.013]	ENG. D. SAUNDERS	DATE 07/06/2011
FINISH SEE NOTES	ANGLES ±0°30'	THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF XMA CORP. OWN SPECTRA AND SHALL NOT BE REPRODUCED, COPIED, NOR USED - IN WHOLE OR IN PART - AS A BASIS FOR THE DESIGN, MANUFACTURE OR SALE OF OTHER ITEMS WITHOUT THE EXPRESS WRITTEN PERMISSION OF XMA CORP. CUSTOMERS AND VENDORS MAY COPY FOR INTERNAL REVIEW USE AS WISHED	
MATERIAL SEE NOTES	REMOVE ALL BURRS/SHARP W/ BREAK I/R OF .003" TO .0025" DIAS CONCENTRIC <.003 T.I.R.	SIZE C	CAGE CODE 3HT76

DATE 06/30/2011	DATE 07/06/2011
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WWW.XMACorp.com Sales@XMACorp.com

XMA Powered by: **Omni** **Spectra®**

XMA Corp. 150 Dow St. Manchester, NH 03045 (603) 222-2256 fax 222-2259

TITLE
SMA Fixed Attenuator

SIZE C	CAGE CODE 3HT76	DWG NO. 2082-64YY-dB
SCALE 5 : 1	PLATING AREA SQUARE INCHES	XXX SHEET 1 OF 1