

**SPECIFICATIONS**

**ELECTRICAL**

FREQUENCY RANGE \_\_\_\_\_ DC - 6 GHz

**ATTENUATION ACCURACY**

0 - 6 dB \_\_\_\_\_ ±0.30 dB  
 7 - 20 dB \_\_\_\_\_ ±0.50 dB  
 21 - 30 dB \_\_\_\_\_ ±0.75 dB

**VSWR**

DC - 6 GHz \_\_\_\_\_ 1.15:1 MAX

INPUT POWER \_\_\_\_\_ 2 WATTS  
 DERATES LINEARLY FROM 100% @ +25°C TO 10% @ 125°C

PEAK POWER \_\_\_\_\_ 500 WATTS  
 (5µSec PULSE WIDTH, 0.01% DUTY CYCLE)

IMPEDANCE \_\_\_\_\_ 50 OHMS

OPERATING TEMP RANGE \_\_\_\_\_ -65°C TO +125°C

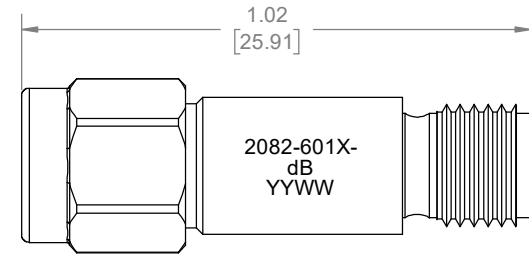
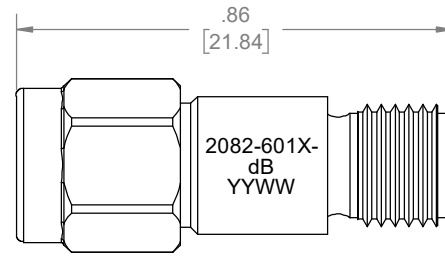
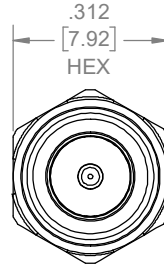
**MECHANICAL**

CONNECTOR BODIES \_\_\_\_\_ PASSIVATED STAINLESS STEEL  
 CENTER CONDUCTORS \_\_\_\_\_ GOLD PLATED BERYLLIUM COPPER  
 INSULATORS \_\_\_\_\_ PTFE (TEFLON) IAW ASTM-D1710  
 RESISTIVE ELEMENT \_\_\_\_\_ THIN FILM ON CERAMIC RESISTIVE CIRCUIT  
 NOT A HERMETIC SEALED UNIT  
 RECOMMENDED MATING TORQUE IS 7-8 in./Lbs. (0.8 to 0.9 Nm)  
 CONNECTOR INTERFACE IAW MIL-STD-348 & MIL-PRF-39012

**MARKING**

PART LOOKS LIKE PRODUCT IMAGE ABOVE.  
 PART MARKING ORIENTATION AND FORMAT AS SHOWN.  
 REPLACE dB WITH APPROPRIATE TWO DIGIT dB VALUE.  
 MARKING TO BE AS LARGE AS POSSIBLE, CLEAR, READABLE.  
 YYWW EQUALS DATE CODE.

PART NUMBER	dB VALUES
2082-6010-dB	00 THRU 03
2082-6011-dB	04 THRU 06
2082-6012-dB	07 THRU 10
2082-6013-dB	11 THRU 20
2082-6014-dB	25 & 30



**00 THRU 12 dB**

**13 THRU 30 dB**

QTY.	PART NUMBER	DESCRIPTION	ITEM NO.
X	2082-601X-dB	ATTENUATOR, SMA-m/f, DC-6 GHz, 2W	
1	TA-2082-6000-dBAU	ASSEMBLY, ATTENUATOR, SMA-m/f, DC-6 GHz, 2W, UNMARKED	1

DRAWING PRACTICES PER ANSI-Y-14.5 MIL-STD-100 & 1000  
 DIMENSIONS ARE IN INCHES AND APPLY BEFORE / AFTER PROCESSING  
 SURFACE ROUGHNESS  $\mu$ INCHES **63**  
 FINISH:  
 SEE NOTES  
 MATERIAL:  
 SEE NOTES  
 NOTE:  
 THIS DRAWING INCORPORATES THIRD ANGLE PROJECTION.  
 INTERPRET IAW ANSI Y14.5-1982

UNLESS OTHERWISE SPECIFIED TOLERANCES IN:  
 DECIMALS INCH [MM]  
 .X" .05" [1.27]  
 .XX" .03" [.76]  
 .XXX" .010" [.25]  
 ANGLES ±0°30'  
 REMOVE ALL BURRS/SHARP W/ BREAK / R OF .003" TO .0005"  
 UNLESS OTHERWISE NOTED DIAS CONCENTRIC <.003 T.I.R.  
 DO NOT SCALE PRINT

DRAWN DATE  
**MCCORMICK** 8/29/14  
 CHECKED DATE  
**MCCORMICK** 8/29/14  
 ENG. APPR. DATE  
**T.KUHN** 8/29/14

**XMA** Omni Spectra®  
 Phone: 603-222-2256 Fax: 603-222-2259  
 150 Dow Street, Manchester, NH 03101

TITLE  
**ATTENUATOR, SMA-m/f, DC-6GHz, 2W**

SIZE <b>B</b>	CAGE CODE <b>3HT76</b>	DRAWING NUMBER <b>2082-601X-dB</b>	REV <b>B</b>
SCALE	PLATED AREA SQ. IN	SHEET <b>1</b> OF <b>1</b>	

REVISIONS				
REV	DESCRIPTION	ECO #	DATE	APPROVED
A	ADDED MARKING	14-309	8/29/14	T.KUHN
B	REVISED VSWR	18-025	3/8/18	T.KUHN