

5

4

3

2

1

**ELECTRICAL**

**SPECIFICATIONS**

FREQUENCY RANGE \_\_\_\_\_ DC - 18 GHz

**ATTENUATION ACCURACY**

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

**VSWR**

DC - 4 GHz \_\_\_\_\_ 1.15:1 MAX  
 4 - 12.4 GHz \_\_\_\_\_ 1.25:1 MAX  
 12.4 - 18 GHz \_\_\_\_\_ 1.35:1 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 HYBRID ON 99.6% ALUMINA SUBSTRATE

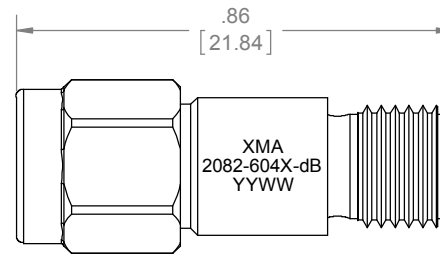
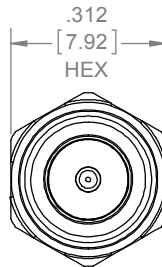
CONNECTOR INTERFACES IAW MIL-STD-348 & MIL-PRF-39012

MATERIALS, FINISHES AND ENVIROMENTAL CAPABILITIES DESIGNED TO MEET MIL-DTL-3933

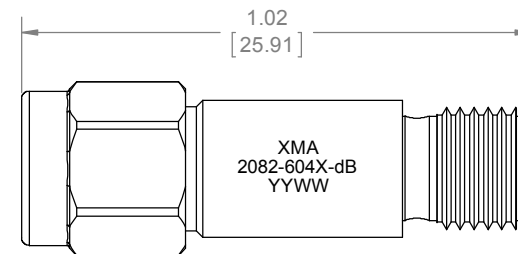
**MARKING**

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

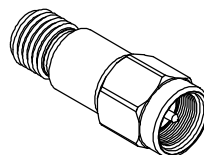
dB VALUES 2082:	1dB STEPS, 18GHz 2082:
-00/-03 = 0 THRU 3dB	-6040-00 THRU 03
-04/-06 = 4 THRU 6dB	-6041-04 THRU 06
-07/-10 = 7 THRU 10dB	-6042-07 THRU 10
-11/-12 = 11 AND 12dB	-6043 AND 12
-13/-20 = 13 THRU 20dB	-6043-13 THRU 20
-25, -30, AND 40dB	6044-25, -30, OR 40



**00 THRU 12 dB**



**13 THRU 40 dB**



QTY.	PART NUMBER	DESCRIPTION	ITEM NO.
X	2082-604X-dB	ATTENUATOR, SMA-m/f, DC-18 GHz, 2W	
1	TA-2082-6000-dBAU	ASSEMBLY, ATTENUATOR, SMA-m/f, DC-18 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 12/16/14**  
 CHECKED DATE  
**MCCORMICK 12/16/14**  
 ENG. APPR. DATE  
**T.KUHN 12/26/14**  
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TITLE			
SIZE	CAGE CODE	DRAWING NUMBER	REV
<b>B</b>	<b>3HT76</b>	<b>2082-604X-dB</b>	<b>M</b>
SCALE	PLATED AREA SQ. IN	SHEET	OF
		<b>1</b>	<b>1</b>