

ELECTRICAL

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

ATTENUATION ACCURACY \_\_\_\_\_

0 - 6 dB	±0.75 dB
6 - 10 dB	±1.25 dB
11 - 20 dB	±1.50 dB
30 dB	±2.00 dB

VSWR \_\_\_\_\_

DC - 6 GHz	1.20:1 MAX
6 - 12.4 GHz	1.40:1 MAX
12.4 - 18 GHz	1.60:1 MAX

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

PEAK POWER \_\_\_\_\_ 500 WATTS  
(5µSec PULSE WIDTH, 0.05% DUTY CYCLE)

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

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

CONFORMANCE TESTING IS 100% ATTENUATION AND V.S.W.R. ACROSS SWEPT FREQUENCY RANGE AT 20-25°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 CONNECTION TORQUE IS 7-8 in/lbs  
CONNECTOR INTERFACES IAW MIL-STD-348 & MIL-PRF-39012

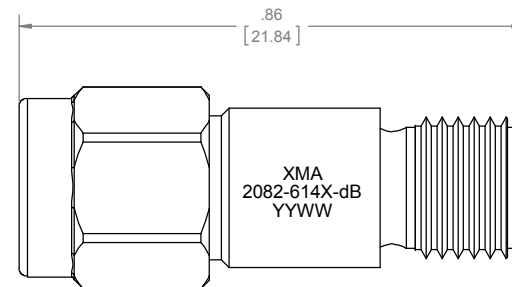
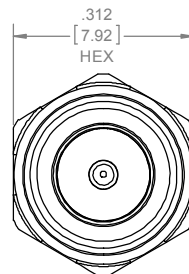
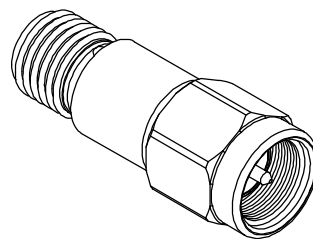
MATERIALS, FINISHES AND ENVIROMENTAL CAPABILITIES DESIGNED TO MEET MIL-DTL-3933

RoHS COMPLIANT DEVICE

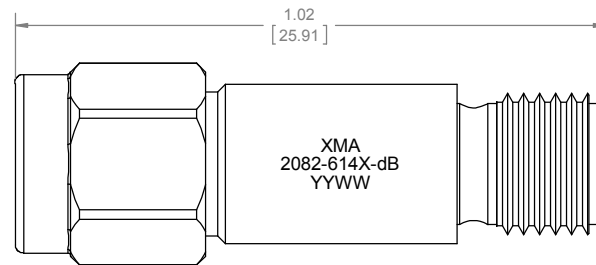
MARKING

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	PART # AND MARKED	dB VALUES	PART # AND MARKED
01	2082-6141-01	12	2082-6143-12
02	2082-6141-02	13	2082-6143-13
03	2082-6141-03	14	2082-6143-14
04	2082-6142-04	15	2082-6143-15
05	2082-6142-05	16	2082-6143-16
06	2082-6142-06	17	2082-6143-17
07	2082-6143-07	18	2082-6143-18
08	2082-6143-08	19	2082-6143-19
09	2082-6143-09	20	2082-6143-20
10	2082-6143-10	30	2082-6144-30
11	2082-6143-11		



**00 THRU 12 dB**



**13 THRU 40 dB**

REVISIONS				
REV	DESCRIPTION	ECO #	DATE	APPROVED
D	MOVED 0.5 dB STEPS TO -6141-XDB		5/25/09	T.KUHN
E	UPDATED FORMAT; ADDED MARKING	16-198	9/28/16	T.KUHN

QTY.	PART NUMBER	DESCRIPTION	ITEM NO.
X	2082-614X-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 Y14.5 DIMENSIONS ARE IN INCHES AND APPLY BEFORE/AFTER PROCESSING	UNLESS OTHERWISE SPECIFIED TOLERANCES IN: DECIMALS INCH [MM] X" .05" [1.27] .XX" .03" [.76] .XXX" .010" [.25]	DRAWN DATE MCCORMICK 5/25/09	CHECKED DATE MCCORMICK 5/25/09
SURFACE ROUGHNESS FINISH: 63	ANGLES ±0°30' REMOVE ALL BURRS/SHARP W/ BREAK / R OF .003" TO .0005" UNLESS OTHERWISE NOTED DIAS CONCENTRIC <.003 T.I.F.	ENG APPR. DATE T.KUHN 5/25/09	DATE 5/25/09
SEE NOTES	DO NOT SCALE PRINT	THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF XMA CORP. OR OMNI SPECTRA AND SHALL NOT BE REPRODUCED, COPIED NOR USED IN WHOLE OR IN PART AS A BASIS FOR THE MANUFACTURE OR SALE OF OTHER ITEMS WITHOUT THE EXPRESS WRITTEN PERMISSION OF XMA CORP.	
MATERIAL: SEE NOTES	NOTE: THIS DRAWING INCORPORATES THIRD ANGLE PROJECTION.		
INTERPRET IAW ANSI Y14.5-1982		Phone: 603-222-2256 Fax: 603-222-2259 150 Dow Street, Manchester, NH 03103 TITLE <b>ATTENUATOR, SMA-m/f, DC-18GHz, 2W</b>	

SIZE C	CAGE CODE 3HT76	DRAWING NUMBER 2082-614X-dB	REV E
SCALE	PLATED AREA 50 IN	SHEET 1 OF 1	