

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

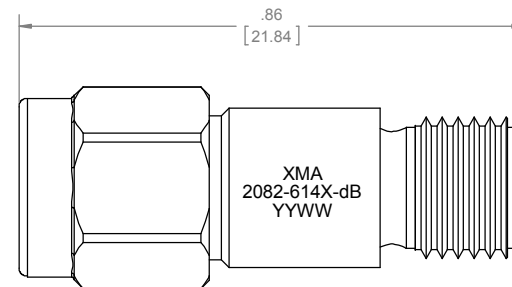
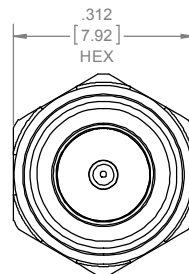
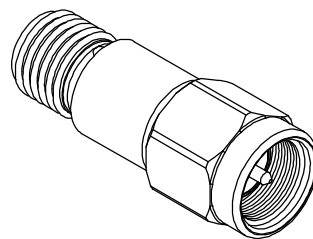
MATERIALS, FINISHES AND ENVIROMENTAL CAPABILITIES DESIGNED TO MEET MIL-DTL-3933

RoHS COMPLIANT DEVICE

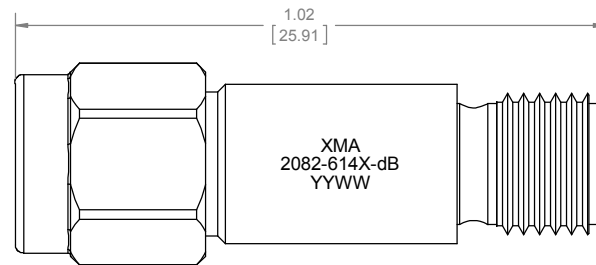
MARKING

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
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.	CHECKED DATE MCCORMICK 5/25/09
SEE NOTES	DO NOT SCALE PRINT	ENG APPR. DATE T.KUHN 5/25/09
MATERIAL: SEE NOTES		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.
NOTE: THIS DRAWING INCORPORATES THIRD ANGLE PROJECTION.		
INTERPRET IAW ANSI Y14.5-1982		

DATE	5/25/09
CHECKED	DATE
MCCORMICK	5/25/09
ENG APPR.	DATE
T.KUHN	5/25/09

XMA Omni Spectra [®]			
Phone: 603-222-2256 Fax: 603-222-2259 150 Dow Street, Manchester, NH 03103			
ATTENUATOR, SMA-m/f, DC-18GHz, 2W			
SIZE	CAGE CODE	DRAWING NUMBER	REV
C	3HT76	2082-614X-dB	E
SCALE	PLATED AREA 50 IN	SHEET 1 OF 1	