

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

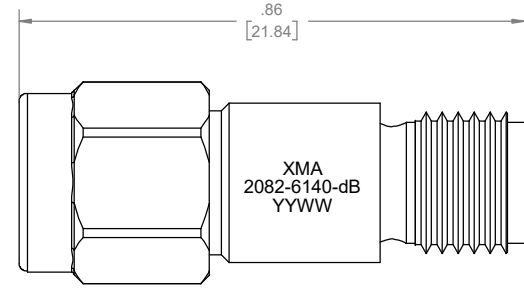
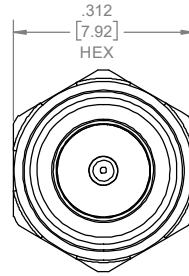
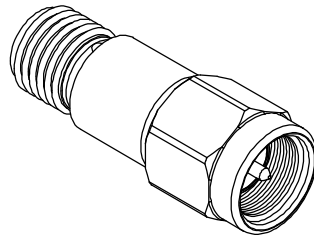
MATERIALS, FINISHES AND ENVIROMENTAL CAPABILITIES DESIGNED TO MEET MIL-DTL-3933

RoHS COMPLIANT DEVICE

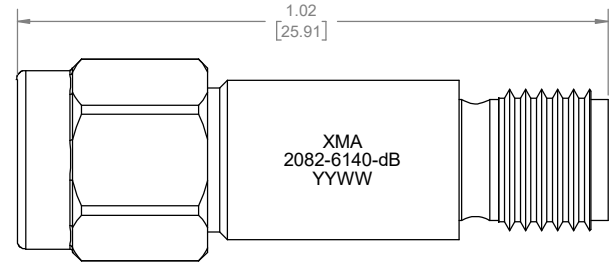
MARKING

PART LOOKS LIKE PRODUCT IMAGE ABOVE.
PART MARKING ORIENTATION AND FORMAT AS SHOWN.
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
0.5	2082-6140-0.5	9.5	2082-6140-9.5
01	2082-6140-01	10	2082-6140-10
1.5	2082-6140-1.5	10.5	2082-6140-10.5
02	2082-6140-02	11	2082-6140-11
2.5	2082-6140-2.5	11.5	2082-6140-11.5
03	2082-6140-03	12	2082-6140-12
3.5	2082-6140-3.5	12.5	2082-6140-12.5
04	2082-6140-04	13	2082-6140-13
4.5	2082-6140-4.5	13.5	2082-6140-13.5
05	2082-6140-05	14	2082-6140-14
5.5	2082-6140-5.5	15	2082-6140-15
06	2082-6140-06	16	2082-6140-16
6.5	2082-6140-6.5	17	2082-6140-17
07	2082-6140-07	18	2082-6140-18
7.5	2082-6140-7.5	19	2082-6140-19
08	2082-6140-08	20	2082-6140-20
8.5	2082-6140-8.5	30	2082-6140-30
9.0	2082-6140-09	-	-



00 THRU 12.5 dB



13 THRU 30 dB

REVISIONS				
REV	DESCRIPTION	ECO #	DATE	APPROVED
X1	PRELIMINARY RELEASE		9/21/22	MES
X2	ADDED 9.0 dB TO TABLE		10/12/22	CM

QTY.	PART NUMBER	DESCRIPTION	ITEM NO.
X	2082-6140-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
1	TA-2082-6X3X-dBU		FOR 1/2 dB VALUES

<small>DRAWING PRACTICES PER ANSI Y14.5 B3-2010 & 1002</small> <small>DIMENSIONS ARE IN INCHES AND APPLY BEFORE/AFTER PROCESSING</small> SURFACE ROUGHNESS <small>INCHES</small> 63 ✓ <small>FINISH:</small> SEE NOTES <small>MATERIAL:</small> SEE NOTES <small>NOTE:</small> THIS DRAWING INCORPORATES THIRD ANGLE PROJECTION. <small>INTERPRET IAW ANSI Y14.5-1982</small>	<small>UNLESS OTHERWISE SPECIFIED TOLERANCES IN:</small> <small>DECIMALS</small> X" .05" [1.27] .XX" .03" [.76] .XXX" .010" [.25] <small>ANGLES ±0°30'</small> <small>REMOVE ALL BURRS/SHARP W/ BREAK / R OF .003" TO .0005"</small> <small>UNLESS OTHERWISE NOTED DIAS CONCENTRIC <.003 T.I.F.</small> DO NOT SCALE PRINT	<small>DRAWN</small> MCCORMICK 9/21/22 <small>DATE</small> 9/21/22 <small>CHECKED</small> MCCORMICK 9/21/22 <small>DATE</small> 9/21/22 <small>ENG APPR.</small> MES 9/21/22
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ATTENUATOR, SMA-m/f, DC-18GHz, 2W			
<small>PHONE: 603-222-2256 FAX: 603-222-2259 7 PERIMETER ROAD, MANCHESTER, NH 03103</small>	<small>TITLE</small>		
<small>SIZE</small> C <small>CAGE CODE</small> 3HT76 <small>SCALE</small>	<small>DRAWING NUMBER</small> 2082-6140-dB <small>PLATED AREA 50 IN</small>	<small>REV</small> X2 <small>SHEET 1 OF 1</small>	<small>DATE</small> 9/21/22