

ELECTRICAL

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, 0.1% 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

RoHS COMPLIANT DEVICE

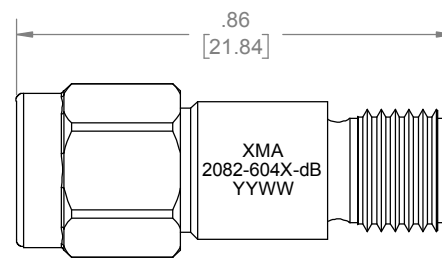
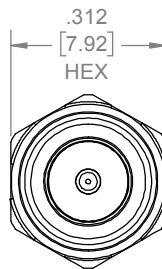
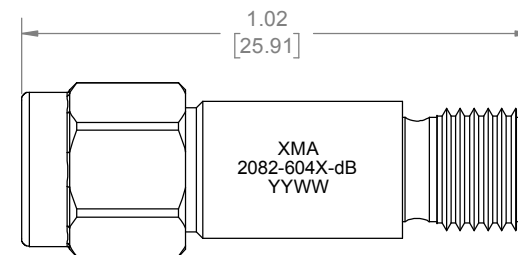
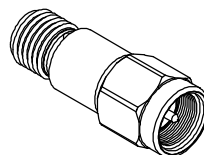
CONNECTOR INTERFACES IAW MIL-STD-348 & MIL-PRF-39012

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	-6043-11 AND 12
-13/-20 = 13 THRU 20dB	-6043-13 THRU 20
-25, -30, AND 40dB	6044-25 & -30

**00 THRU 12 dB****13 THRU 40 dB**DRAWING PRACTICES PER ANSI-Y-14.5
MIL-STD-100 & 1000DIMENSIONS ARE IN INCHES AND
APPLY BEFORE / AFTER PROCESSING
SURFACE
ROUGHNESS
µINCHES
FINISH:
63

SEE NOTES

MATERIAL:
SEE NOTESNOTE:
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 12/26/14THESE DRAWINGS AND
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PART - AS A BASIS FOR THE
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WRITTEN PERMISSION OF XMA CORP.

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

Phone: 603-222-2256 Fax: 603-222-2259 150 Dow Street, Manchester, NH 03101			
TITLE ATTENUATOR, SMA-m/f, DC-18GHz, 2W			
SIZE B	CAGE CODE 3HT76	DRAWING NUMBER 2082-604X-dB	REV P
SCALE	PLATED AREA SQ. IN	SHEET 1 OF 1	