

ELECTRICAL

SPECIFICATIONS

FREQUENCY RANGE _____ DC - 12.4 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

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
CENTER CONDUCTORS
RESISTIVE ELEMENTPASSIVATED STAINLESS STEEL
GOLD PLATED BERYLLIUM COPPER
THIN FILM HYBRID ON 99.6% ALUMINA
SUBSTRATE

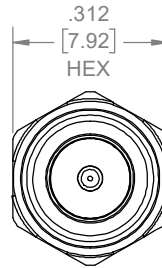
CONNECTOR INTERFACES IAW MIL-STD-348 & MIL-PRF-39012

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

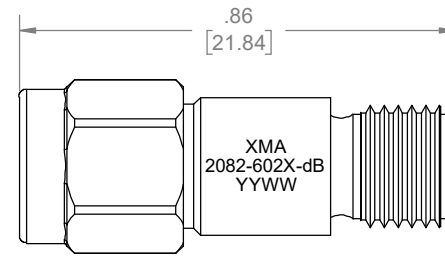
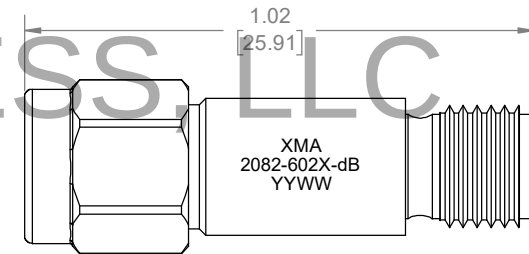
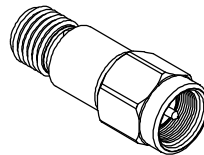
MARKING

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	-6020-00 THRU 03
-04/-06 = 4 THRU 6dB	-6021-04 THRU 06
-07/-10 = 7 THRU 10dB	-6022-07 THRU 10
-11/-12 = 11 AND 12dB	-6023 AND 12
-13/-20 = 13 THRU 20dB	-6023-13 THRU 20
-25, -30dB	6024-25, -30



REVISIONS				
REV	DESCRIPTION	ECO #	DATE	APPROVED
-	INITIAL RELEASE	13-254	10/21/13	T.KUHN
A	UPDATED FORMAT; ADDED MARKING	15-322	11/5/15	T.KUHN
B	TA-2082-6000-dBBU IN BOM WAS -dBAU	19-060	5/23/19	T.KUHN

**00 THRU 12 dB****13 THRU 40 dB**

QTY.	PART NUMBER	DESCRIPTION	ITEM NO.
X	2082-602X-dB	ATTENUATOR, SMA-m/f, DC-12.4 GHz, 2W	
1	TA-2082-6000-dBBU	ASSEMBLY, ATTENUATOR, SMA-m/f, DC-12.4 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 µINCHES	63
FINISH:	
SEE NOTE	
MATERIAL:	
SEE NOTE	
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 V.SHELBY	DATE 10/21/13
CHECKED T.KUHN	DATE 10/21/13
ENG. APPR. T.KUHN	DATE 10/21/13

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Phone: 603-222-2256 Fax: 603-222-2259 150 Dow Street, Manchester, NH 03101			
TITLE ATTENUATOR, SMA-m/f, DC-12.4GHz, 2W			
SIZE B	CAGE CODE 3HT76	DRAWING NUMBER 2082-602X-dB	REV B
SCALE	PLATED AREA SQ. IN	SHEET 1 OF 1	