

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

_____ 4 KELVIN TO +125°C

_____ 150°C STORAGE

MECHANICAL

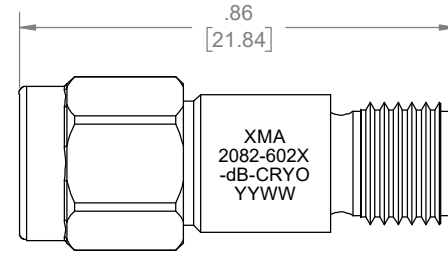
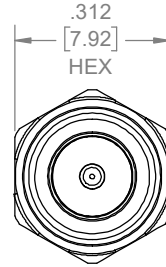
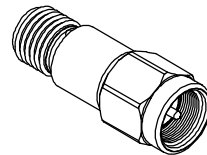
CONNECTOR BODIES _____ PASSIVATED STAINLESS STEEL
 CENTER CONDUCTORS _____ GOLD PLATED BERYLLIUM COPPER
 RESISTIVE ELEMENT _____ THIN FILM HYBRID ON 99.6% ALUMINA SUBSTRATE

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

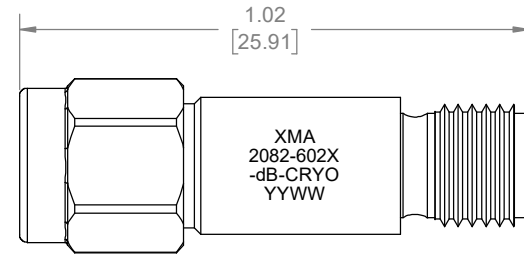
MATERIALS, FINISHES AND ENVIROMENTAL CAPABILITIES DESIGNED TO MEET MIL-DTL-3933

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.
 YYYYW EQUALS DATE CODE.



00 THRU 12 dB



13 THRU 30 dB

REVISIONS				
REV	DESCRIPTION	ECO #	DATE	APPROVED
-	INITIAL RELEASE	13-265	10/21/13	T.KUHN
A	UPDATED FORMAT; ADDED MARKING	18-057	5/9/18	T.KUHN
B	TA-2082-6000-dBBU IN BOM WAS -dBAU	19-060	5/23/19	T.KUHN

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

DRAWING PRACTICES PER ANSI-Y-14.5 MIL-STD-100 & 1000	
DIMENSIONS ARE IN INCHES AND APPLY BEFORE / AFTER PROCESSING	
SURFACE ROUGHNESS	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"	.01" [.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
V.SHELBY	10/21/13
CHECKED	DATE
T.KUHN	10/21/13
ENG. APPR.	DATE
T.KUHN	10/21/13

Phone: 603-222-2256 Fax: 603-222-2259
 150 Dow Street, Manchester, NH 03101

TITLE

ATTENUATOR, SMA-m/f, DC-12.4GHz, 2W

SIZE	CAGE CODE	DRAWING NUMBER	REV
B	3HT76	2082-602X-dB-CRYO	B
SCALE	PLATED AREA SQ. IN	SHEET 1 OF 1	

QTY.	PART NUMBER	DESCRIPTION	ITEM NO.
X	2082-602X-dB-CRYO	ATTENUATOR, SMA-m/f, DC-12.4 GHz, 2W	
1	TA-2082-6000-dBBU-CRYO	ASSEMBLY, ATTENUATOR, SMA-m/f, DC-12.4 GHz, 2W, UNMARKED	1