

SPECIFICATIONS

ELECTRICAL

FREQUENCY RANGE _____ DC - 6 GHz

ATTENUATION ACCURACY _____

0 - 6 dB _____ ±0.30 dB

7 - 20 dB _____ ±0.50 dB

21 - 30 dB _____ ±0.75 dB

VSWR _____

DC - 6 GHz _____ 1.15:1 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

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 MATING TORQUE IS 7-8 in./Lbs. (0.8 to 0.9 Nm)

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

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.

PART NUMBER	dB VALUES
2082-6010-dB-CRYO	00 THRU 03
2082-6011-dB-CRYO	04 THRU 06
2082-6012-dB-CRYO	07 THRU 10
2082-6013-dB-CRYO	11 THRU 20
2082-6014-dB-CRYO	25 & 30

DRAWING PRACTICES PER ANSI-Y-14.5 MIL-STD-100 & 1000

DIMENSIONS ARE IN INCHES AND APPLY BEFORE / AFTER PROCESSING

SURFACE ROUGHNESS $\sqrt{63}$

FINISH:

SEE NOTES

MATERIAL:

SEE NOTES

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 DATE
MCCORMICK 8/29/14

CHECKED DATE
MCCORMICK 8/29/14

ENG. APPR. DATE
T.KUHN 8/29/14

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XMA Omni Spectra®

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

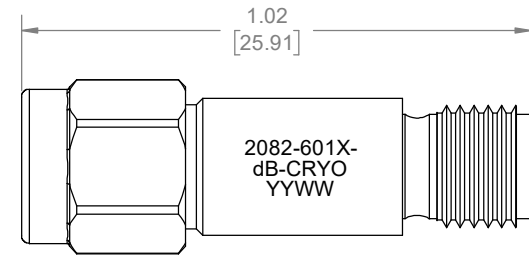
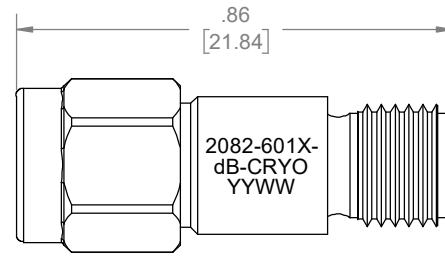
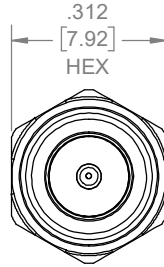
TITLE
ATTENUATOR, SMA-m/f, DC-6GHz, 2W

SIZE	CAGE CODE	DRAWING NUMBER	REV
B	3HT76	2082-601X-dB-CRYO	B

SCALE PLATED AREA SQ. IN SHEET 1 OF 1

REVISIONS

REV	DESCRIPTION	ECO #	DATE	APPROVED
A	ADDED MARKING	14-309	8/29/14	T.KUHN
B	REVISED VSWR	18-025	3/8/18	T.KUHN



00 THRU 12 dB

13 THRU 30 dB

QTY.	PART NUMBER	DESCRIPTION	ITEM NO.
X	2082-601X-dB-CRYO	ATTENUATOR, SMA-m/f, DC-6 GHz, 2W	
1	TA-2082-6000-dBAU	ASSEMBLY, ATTENUATOR, SMA-m/f, DC-6 GHz, 2W, UNMARKED	1