

SPECIFICATIONS

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, 0.01% 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)

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
2082-6240-dB-CRYO	00 THRU 03
2082-6241-dB-CRYO	04 THRU 06
2082-6242-dB-CRYO	07 THRU 10
2082-6243-dB-CRYO	11 THRU 20
2082-6244-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 $\sqrt{63}$ µINCHES

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

QTY.	PART NUMBER	DESCRIPTION	ITEM NO.
X	2082-624X-dB-CRYO	ATTENUATOR, SMA-m/f, DC-18 GHz, 2W	
1	TA-2082-6200-dBAU	ASSEMBLY, ATTENUATOR, SMA-m/f, DC-18 GHz, 2W, UNMARKED	1

DRAWN _____ DATE 8/21/14


MCCORMICK

CHECKED _____ DATE 8/21/14

MCCORMICK

ENG. APPR. _____ DATE 8/21/14

T.KUHN



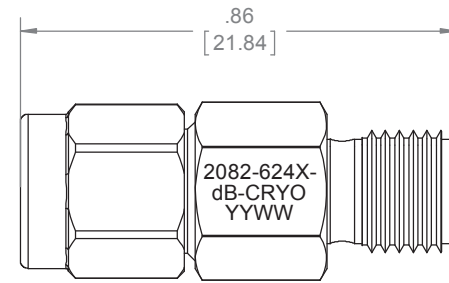
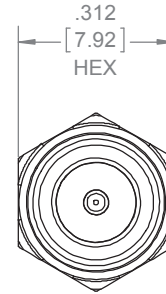
Phone: 603-222-2256 Fax: 603-222-2259
150 Dow Street, Manchester, NH 03101

TITLE

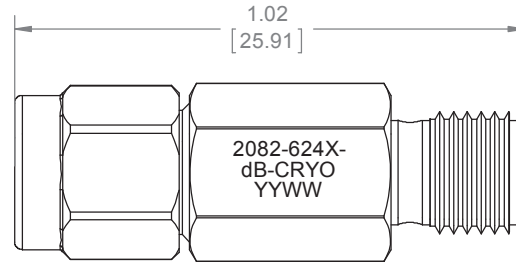
ATTENUATOR, SMA-m/f, DC-18 GHz, 2W

SIZE	CAGE CODE	DRAWING NUMBER	REV
B	3HT76	2082-624X-dB-CRYO	C
SCALE	PLATED AREA SQ. IN	SHEET 1 OF 1	

REVISIONS				
REV	DESCRIPTION	ECO #	DATE	APPROVED
B	REDRAWN IN SOLIDWORKS	14-294	8/22/14	T.KUHN
C	REVISED DATE CODE	15-202	6/25/15	T.KUHN



00 THRU 12 dB



13 THRU 30 dB