

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

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.
CHANGE X TO THE ONE DIGIT VALUE ON WORK ORDER.
REPLACE "ZZ" AND "XX" 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

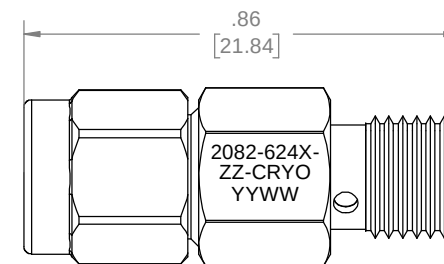
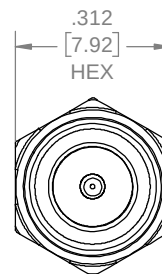
DRAWING PRACTICES PER ANSI-Y-14.5 MIL-STD-100 & 1000	UNLESS OTHERWISE SPECIFIED TOLERANCES IN:
DIMENSIONS ARE IN INCHES AND APPLY BEFORE / AFTER PROCESSING	DECIMALS INCH [MM]
SURFACE ROUGHNESS μINCHES	.X" .05" [1.27] .XX" .03" [.76] .XXX" .010" [.25]
FINISH:	ANGLES ±0°30'
SEE NOTE	REMOVE ALL BURRS/SHARP W/ BREAK / R OF .003" TO .0005"
MATERIAL:	UNLESS OTHERWISE NOTED DIAS CONCENTRIC <.003 T.I.R.
NOTE: THIS DRAWING INCORPORATES THIRD ANGLE PROJECTION.	DO NOT SCALE PRINT
INTERPRET IAW ANSI Y14.5-1982	

DRAWN MCCORMICK	DATE 8/21/14
CHECKED MCCORMICK	DATE 8/21/14
ENG. APPR. T.KUHN	DATE 8/21/14
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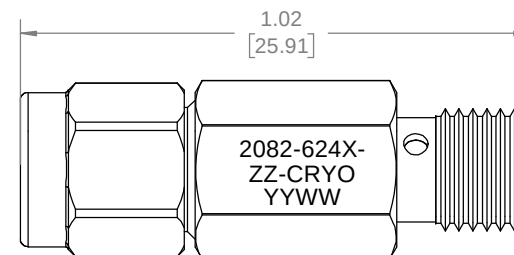
QTY.	PART NUMBER	DESCRIPTION	ITEM NO.
X	2082-624X-dB-CRYO	ATTENUATOR, SMA-m/f, DC-18 GHz, 2W	
1	TA-2082-6200-dBAU	ASSEMBLY, ATTENUATOR, SMA-m/f, DC-18 GHz, 2W, UNMARKED	1

 Phone: 603-222-2256 Fax: 603-222-2259 7 Perimeter Road, Manchester, NH 03103			
TITLE ATTENUATOR, SMA-m/f, DC-18 GHz, 2W			
SIZE B	CAGE CODE 3HT76	DRAWING NUMBER 2082-624X-dB-CRYO	REV E
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
D	CHANGED ASSEMBLY IN BOM	17-057	4/27/17	T.KUHN
E	REMOVED PEAK POWER	23-145	11/29/23	DEL



00 THRU 12 dB



13 THRU 30 dB