

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 _____ -65°C 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)

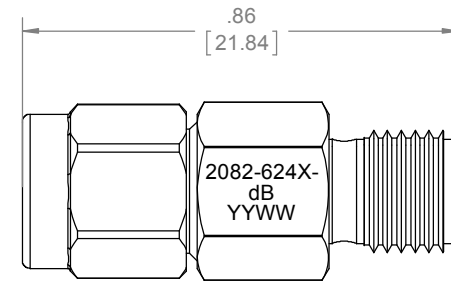
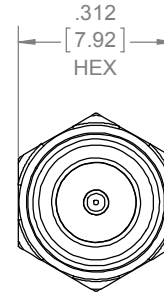
MARKING

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.

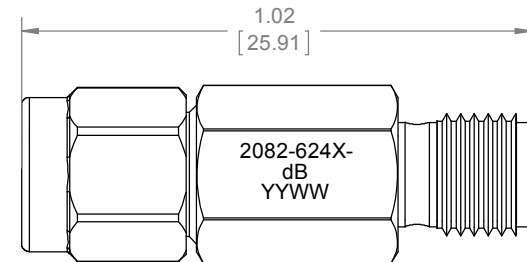
PART NUMBER	dB VALUES
2082-6240-dB	00 THRU 03
2082-6241-dB	04 THRU 06
2082-6242-dB	07 THRU 10
2082-6243-dB	11 THRU 20
2082-6244-dB	25 & 30

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 63	.X" .05" [1.27]
FINISH:	.XX" .03" [.76]
SEE NOTE	.XXX" .010" [.25]
MATERIAL:	ANGLES ±0°30'
SEE NOTE	REMOVE ALL BURRS/SHARP W/ BREAK / R OF .003" TO .0005"
NOTE: THIS DRAWING INCORPORATES THIRD ANGLE PROJECTION.	UNLESS OTHERWISE NOTED DIAS CONCENTRIC <.003 T.I.R.
INTERPRET IAW ANSI Y14.5-1982	DO NOT SCALE PRINT

REVISIONS				
REV	DESCRIPTION	ECO #	DATE	APPROVED
H	REDRAWN IN SOLIDWORKS	14-294	8/22/14	T.KUHN



00 THRU 12 dB



13 THRU 30 dB

QTY.	PART NUMBER	DESCRIPTION	ITEM NO.
X	2082-624X-dB	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 MCCORMICK	DATE 8/21/14
CHECKED MCCORMICK	DATE 8/21/14
ENG. APPR. T.KUHN	DATE 8/21/14



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

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

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