

This unit will use raw materials that are in accordance with DFAR Clause 252.225-7014, "Preference For Domestic Specialty Metals, Alt. 1" Metals must have been melted in the United States, its outlying areas, or a qualifying country listed in DFARS 225.872-1.



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

SPECIFICATIONS

ELECTRICAL

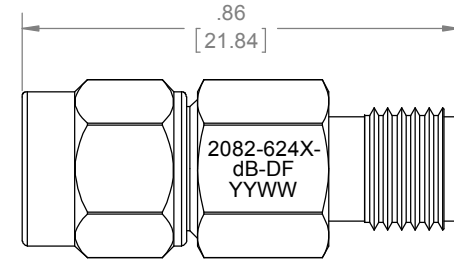
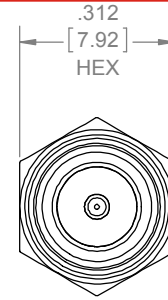
FREQUENCY RANGE	DC - 18 GHz
ATTENUATION ACCURACY	
0 - 6 dB	±0.30 dB
7 - 20 dB	±0.50 dB
21 - 30 dB	±0.75 dB
VSWR	
DC - 4 GHz	1.15:1 MAX
4 - 12.4 GHz	1.25:1 MAX
12.4 - 18 GHz	1.35:1 MAX
INPUT POWER	
2 WATTS	DERATES LINEARLY FROM 100% @ +25°C TO 10% @ 125°C
PEAK POWER	
500 WATTS	(5µSec PULSE WIDTH, 0.01% DUTY CYCLE)
IMPEDANCE	
50 OHMS	
OPERATING TEMP RANGE	
-65°C TO +125°C	

MECHANICAL

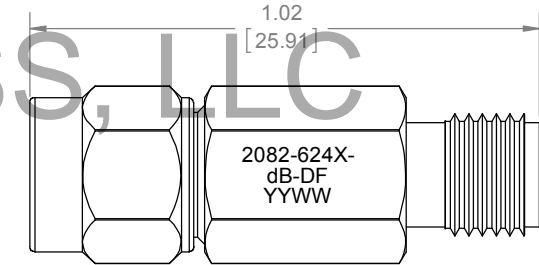
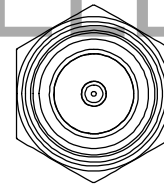
CONNECTOR BODIES	PASSIVATED STAINLESS STEEL
CENTER CONDUCTORS	GOLD PLATED BERYLLIUM COPPER
INSULATORS	PTFE (TEFLON) IAW ASTM-D1710
RESISTIVE ELEMENT	THIN FILM ON CERAMIC RESISTIVE CIRCUIT
NOT A HERMETIC SEALED UNIT	
RECOMMENDED MATING TORQUE IS 7-8 in./Lbs. (0.8 to 0.9 Nm)	

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.



00 THRU 12 dB



13 THRU 30 dB

PART NUMBER	dB VALUES
2082-6240-dB-DF	00 THRU 03
2082-6241-dB-DF	04 THRU 06
2082-6242-dB-DF	07 THRU 10
2082-6243-dB-DF	11 THRU 20
2082-6244-dB-DF	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"	.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-DF	ATTENUATOR, SMA-m/f, DC-18 GHz, 2W, DFAR	
1	TA-2082-6200-dBU-DF	ASSEMBLY, ATTENUATOR, SMA-m/f, DC-18 GHz, 2W, DFAR, UNMARKED	1

DRAWN	DATE
MCCORMICK	08/21/14
CHECKED	DATE
MCCORMICK	08/21/14
ENG. APPR.	DATE
T.KUHN	08/21/14

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

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

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

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