

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.

**SPECIFICATIONS**

**ELECTRICAL**

FREQUENCY RANGE	DC - 18 GHz
<b>ATTENUATION ACCURACY</b>	
0 - 6 dB	±0.30 dB
7 - 20 dB	±0.50 dB
21 - 30 dB	±0.75 dB
<b>VSWR</b>	
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**

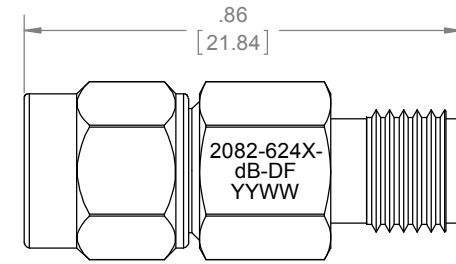
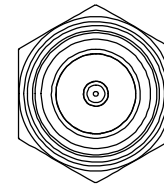
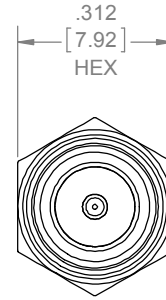
CONNECTOR BODIES	PASSIVATED STAINLESS STEEL
CENTER CONDUCTORS	GOLD PLATED BERYLLIUM COPPER
INSULATORS	PTFE (TEFLON) IAW ASTM-D1710
RESISTIVE ELEMENT	THIN FILM ON CERAMIC RESISTIVE CIRCUIT
NOT A HERMETIC SEALED UNIT	
RECOMMENDED MATING TORQUE IS 7-8 in./Lbs. (0.8 to 0.9 Nm)	

**MARKING**

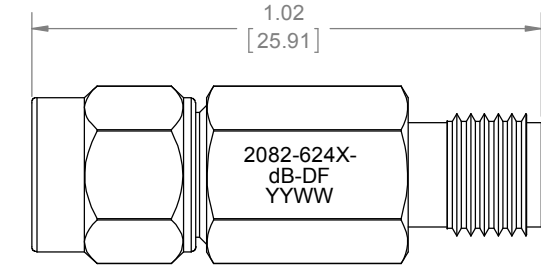
PART LOOKS LIKE PRODUCT IMAGE ABOVE.  
 PART MARKING ORIENTATION AND FORMAT AS SHOWN.  
 REPLACE dB WITH APPROPRIATE TWO DIGIT dB VALUE.  
 MARKING TO BE AS LARGE AS POSSIBLE, CLEAR, READABLE.  
 YYWW EQUALS DATE CODE.

PART NUMBER	dB VALUES
2082-6240-dB-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

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**

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

DRAWING PRACTICES PER ANSI-Y-14.5 MIL-STD-100 & 1000
DIMENSIONS ARE IN INCHES AND APPLY BEFORE / AFTER PROCESSING
SURFACE ROUGHNESS $\mu$ INCHES <b>63</b>
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			

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	OF
		1	1

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