

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, 0.1% 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 HYBRID ON 99.6% ALUMINA SUBSTRATE

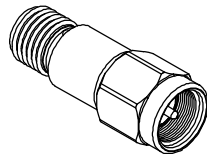
RoHS COMPLIANT DEVICE

CONNECTOR INTERFACES IAW MIL-STD-348 & MIL-PRF-39012

MATERIALS, FINISHES AND ENVIROMENTAL CAPABILITIES DESIGNED TO MEET MIL-DTL-3933

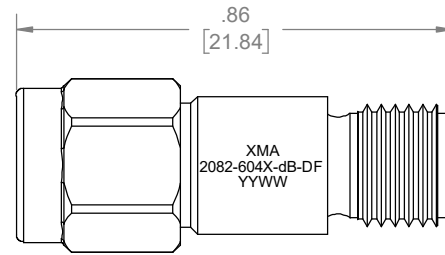
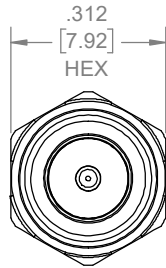
MARKING

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

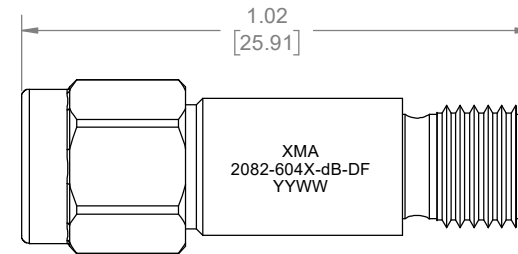


dB VALUES 2082:	1dB STEPS, 18GHz 2082:
-00/-03 = 0 THRU 3dB	-6040-00 THRU 03
-04/-06 = 4 THRU 6dB	-6041-04 THRU 06
-07/-10 = 7 THRU 10dB	-6042-07 THRU 10
-11/-12 = 11 AND 12dB	-6043-11 AND 12
-13/-20 = 13 THRU 20dB	-6043-13 THRU 20
-25 & -30	6044-25 & -30

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.



00 THRU 12 dB



13 THRU 40 dB

REVISIONS

REV	DESCRIPTION	ECO #	DATE	APPROVED
D	DUTY CYCLE WAS .01%	16-036	2/19/16	T.KUHN
E	ADDED RoHS STATEMENT	17-096	6/14/16	T.KUHN
F	REVISED TA NUMBER IN BOM	19-087	7/31/19	T.KUHN
G	UPDATED BOM	20-040	3/18/20	T.KUHN

DRAWING PRACTICES PER ANSI-Y-14.5 MIL-STD-100 & 1000	UNLESS OTHERWISE SPECIFIED TOLERANCES IN: DECIMALS INCH [MM] .X" .05" [1.27] .XX" .03" [0.76] .XXX" .010" [0.25]
DIMENSIONS ARE IN INCHES AND APPLY BEFORE / AFTER PROCESSING	
SURFACE ROUGHNESS µINCHES $\sqrt{63}$	
FINISH: SEE NOTES	ANGLES $\pm 0^{\circ}30'$ REMOVE ALL BURRS/SHARP W/ BREAK / R OF .003" TO .0005" UNLESS OTHERWISE NOTED DIAS CONCENTRIC <.003 T.I.R.
MATERIAL: SEE NOTES	
NOTE: THIS DRAWING INCORPORATES THIRD ANGLE PROJECTION.	
	DO NOT SCALE PRINT

0 dB	QTY.	PART NUMBER	DESCRIPTION	ITEM NO.
X	X	2082-604X-dB-DF	ATTENUATOR, SMA-m/f, DC-18 GHz, 2W	
-	1	TA-2082-604X-dBU-DF	ASSEMBLY, ATTENUATOR, SMA-m/f, DC-18 GHz, 2W, UNMARKED	1
X	-	TA-2082-6040-00U-DF	ASSEMBLY, ATTENUATOR, SMA-m/f, DC-18 GHz, 2W, UNMARKED, DFAR	

DRAWN	DATE
MCCORMICK	03/19/14
CHECKED	DATE
MCCORMICK	03/19/14
ENG. APPR.	DATE
T.KUHN	03/19/14



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

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

SIZE	CAGE CODE	DRAWING NUMBER	REV
B	3HT76	2082-604X-dB-DF	G
SCALE	PLATED AREA SQ. IN	SHEET 1 OF 1	