

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 _____ -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 & -30dB	6044-25 & -30

DRAWING PRACTICES PER ANSI-Y14.5 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]
63	.XX" .03" [.76]
FINISH:	.XXX" .010" [.25]
SEE NOTES	ANGLES ±0°30'
MATERIAL:	REMOVE ALL BURRS/SHARP W/ BREAK / R OF .003" TO .0005"
SEE NOTES	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	

0 dB	1-30 dB	PART NUMBER	DESCRIPTION	ITEM NO.
X	X	2082-604X-dB	ATTENUATOR, SMA-m/f, DC-18 GHz, 2W	
-	1	TA-2082-6000-dBAU	ASSEMBLY, ATTENUATOR, SMA-m/f, DC-18 GHz, 2W, UNMARKED	
1	-	TA-2082-6040-00U	ASSEMBLY, ATTENUATOR, SMA-m/f, DC-18 GHz, 2W, UNMARKED, 0 dB	

DRAWN	DATE
MCCORMICK	12/16/14
CHECKED	DATE
MCCORMICK	12/16/14
ENG. APPR.	DATE
T.KUHN	12/26/14

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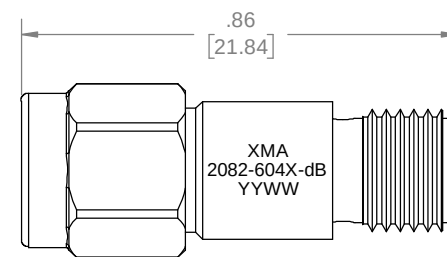
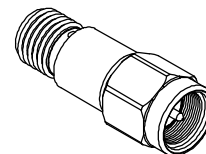
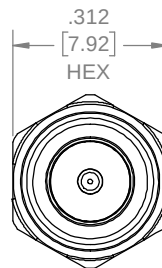
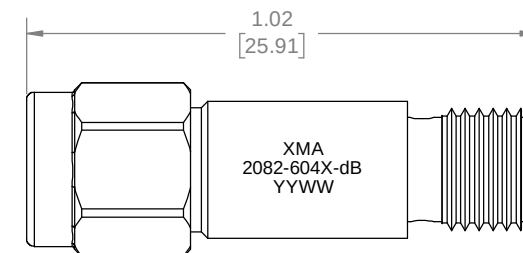
Phone: 603-222-2256 Fax: 603-222-2259
7 Perimeter Road, Manchester, NH 03103

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

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

REVISIONS

REV	DESCRIPTION	ECO #	DATE	APPROVED
N	DUTY CYCLE WAS .01%	16-036	2/19/16	T.KUHN
P	ADDED RoHS STATEMENT	17-096	6/14/16	T.KUHN
Q	MODIFIED BOM	18-141	9/20/18	T.KUHN
R	REMOVED PEAK POWER	23-149	11/30/23	DEL

**00 THRU 12 dB****13 THRU 30 dB**