



REVISIONS				
REV	DESCRIPTION	ECO #	DATE	APPROVED
A	ADDED MARKING	14-309	8/29/14	T.KUHN
B	REVISED VSWR	18-025	3/8/18	T.KUHN

ELECTRICAL SPECIFICATIONS

FREQUENCY RANGE _____ DC - 6 GHz

ATTENUATION ACCURACY

0 - 6 dB	±0.30 dB
7 - 20 dB	±0.50 dB
21 - 30 dB	±0.75 dB

VSWR

DC - 6 GHz _____ 1.15:1 MAX

INPUT POWER _____ 2 WATTS

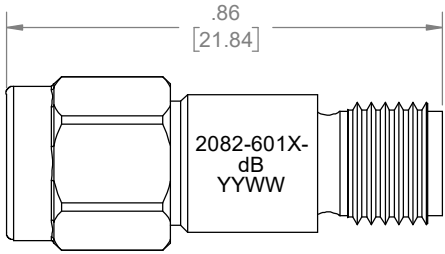
DERATES LINEARLY FROM 100% @ +25°C TO 10% @ 125°C

PEAK POWER _____ 500 WATTS

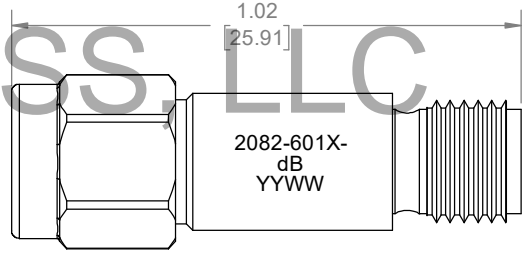
(5µSec PULSE WIDTH, 0.01% DUTY CYCLE)

IMPEDANCE _____ 50 OHMS

OPERATING TEMP RANGE _____ -65°C TO +125°C



00 THRU 12 dB



13 THRU 30 dB

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)

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

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
2082-6010-dB	00 THRU 03
2082-6011-dB	04 THRU 06
2082-6012-dB	07 THRU 10
2082-6013-dB	11 THRU 20
2082-6014-dB	25 & 30

QTY.	PART NUMBER	DESCRIPTION	ITEM NO.
X	2082-601X-dB	ATTENUATOR, SMA-m/f, DC-6 GHz, 2W	
1	TA-2082-6000-dBAU	ASSEMBLY, ATTENUATOR, SMA-m/f, DC-6 GHz, 2W, UNMARKED	1

DRAWING PRACTICES PER ANSI-Y-14.5 MIL-STD-100 & 1000

DIMENSIONS ARE IN INCHES AND APPLY BEFORE / AFTER PROCESSING

SURFACE ROUGHNESS μ INCHES **63**

FINISH: _____

SEE NOTES

MATERIAL: _____

SEE NOTES

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 8/29/14

MCCORMICK

CHECKED _____ DATE 8/29/14

MCCORMICK

ENG. APPR. _____ DATE 8/29/14

T.KUHN

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

TITLE
ATTENUATOR, SMA-m/f, DC-6GHz, 2W

SIZE B	CAGE CODE 3HT76	DRAWING NUMBER 2082-601X-dB	REV B
SCALE	PLATED AREA SQ. IN	SHEET 1 OF 1	

PRECISION WIRELESS, LLC