

5

4

3

2

1

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, 0.1% DUTY CYCLE)

IMPEDANCE \_\_\_\_\_ 50 OHMS

OPERATING TEMP RANGE \_\_\_\_\_ -65°C TO +125°C

MECHANICAL

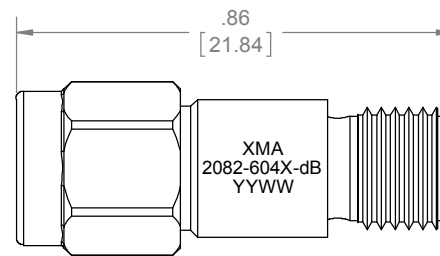
CONNECTOR BODIES \_\_\_\_\_ PASSIVATED STAINLESS STEEL
CENTER CONDUCTORS \_\_\_\_\_ GOLD PLATED BERYLLIUM COPPER
INSULATORS \_\_\_\_\_ PTFE (TEFLON) IAW ASTM-D1710
RESISTIVE ELEMENT \_\_\_\_\_ THIN FILM HYBRID ON 99.6% ALUMINA SUBSTRATE

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

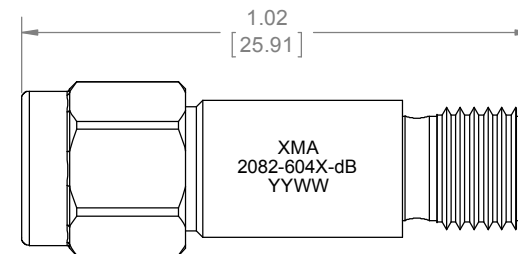
MATERIALS, FINISHES AND ENVIROMENTAL CAPABILITIES DESIGNED TO MEET MIL-DTL-3933

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.



00 THRU 12 dB



13 THRU 40 dB

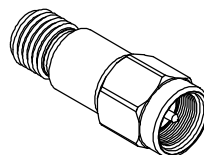


Table with 4 columns: QTY., PART NUMBER, DESCRIPTION, ITEM NO.
Row 1: X, 2082-604X-dB, ATTENUATOR, SMA-m/f, DC-18 GHz, 2W
Row 2: 1, TA-2082-6000-dBAU, ASSEMBLY, ATTENUATOR, SMA-m/f, DC-18 GHz, 2W, UNMARKED, 1

Table with 2 columns: dB VALUES 2082:, 1dB STEPS, 18GHz 2082:
Row 1: -00/-03 = 0 THRU 3dB, -6040-00 THRU 03
Row 2: -04/-06 = 4 THRU 6dB, -6041-04 THRU 06
Row 3: -07/-10 = 7 THRU 10dB, -6042-07 THRU 10
Row 4: -11/-12 = 11 AND 12dB, -6043 AND 12
Row 5: -13/-20 = 13 THRU 20dB, -6043-13 THRU 20
Row 6: -25, -30, AND 40dB, 6044-25, -30, OR 40

DRAWING PRACTICES PER ANSI-Y-14.5 MIL-STD-100 & 1000
DIMENSIONS ARE IN INCHES AND APPLY BEFORE / AFTER PROCESSING
SURFACE ROUGHNESS 63 µINCHES
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 MCCORMICK 12/16/14
CHECKED DATE MCCORMICK 12/16/14
ENG. APPR. DATE T.KUHN 12/26/14



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

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

Table with 4 columns: SIZE, CAGE CODE, DRAWING NUMBER, REV
Row 1: B, 3HT76, 2082-604X-dB, N
Row 2: SCALE, PLATED AREA SQ. IN, SHEET 1 OF 1