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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, 0.01% DUTY CYCLE)

IMPEDANCE

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

OPERATING TEMP RANGE

\_\_\_\_\_ -65°C TO +125°C

MECHANICAL

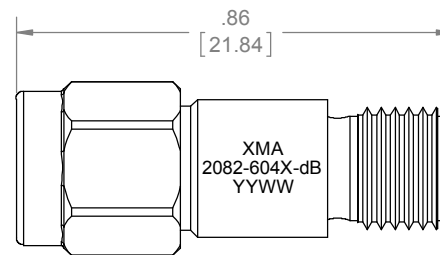
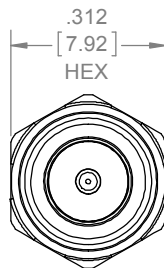
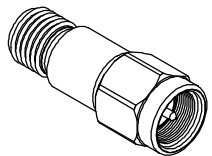
CONNECTOR BODIES \_\_\_\_\_ PASSIVATED STAINLESS STEEL
CENTER CONDUCTORS \_\_\_\_\_ GOLD PLATED BERYLLIUM COPPER
INSULATORS \_\_\_\_\_ PTFE (TEFLON) IAW ASTM-D1710
RESISTIVE ELEMENT \_\_\_\_\_ THIN FILM HYBRID ON 99.6% ALUMINA SUBSTRATE

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

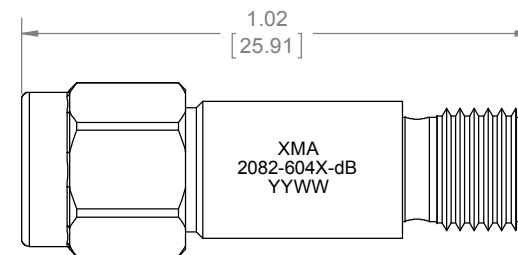
MATERIALS, FINISHES AND ENVIROMENTAL CAPABILITIES DESIGNED TO MEET MIL-DTL-3933

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:. Rows include: -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 AND 12; -13/-20 = 13 THRU 20dB, -6043-13 THRU 20; -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

XMA Omni Spectra logo and contact info: Phone: 603-222-2256 Fax: 603-222-2259 150 Dow Street, Manchester, NH 03101

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ATTENUATOR, SMA-m/f, DC-18GHz, 2W
SIZE B CAGE CODE 3HT76 DRAWING NUMBER 2082-604X-dB REV M
SCALE PLATED AREA SQ. IN SHEET 1 OF 1

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