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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

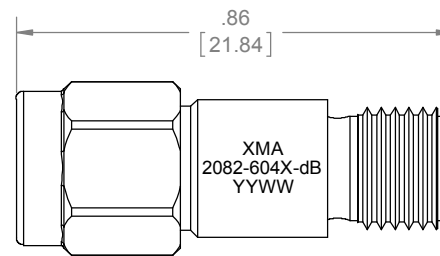
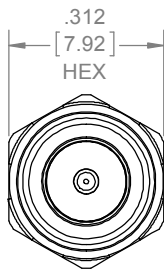
CONNECTOR BODIES \_\_\_\_\_ PASSIVATED STAINLESS STEEL
CENTER CONDUCTORS \_\_\_\_\_ GOLD PLATED BERYLLIUM COPPER
INSULATORS \_\_\_\_\_ PTFE (TEFLON) IAW ASTM-D1710
RESISTIVE ELEMENT \_\_\_\_\_ THIN FILM HYBRID ON 99.6% ALUMINA SUBSTRATE

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

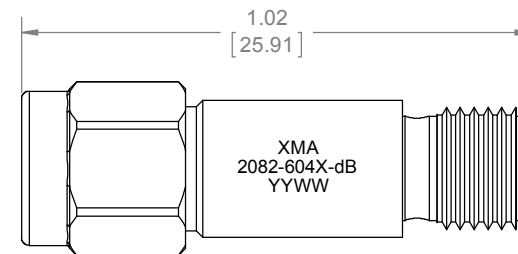
MATERIALS, FINISHES AND ENVIROMENTAL CAPABILITIES DESIGNED TO MEET MIL-DTL-3933

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

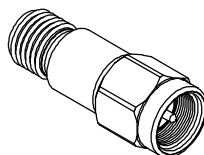


Table with 2 columns: dB VALUES 2082: and 1dB STEPS, 18GHz 2082:. Rows include values like -00/-03 = 0 THRU 3dB and -6040-00 THRU 03.

DRAWING PRACTICES PER ANSI-Y-14.5 MIL-STD-100 & 1000
DIMENSIONS ARE IN INCHES AND APPLY BEFORE / AFTER PROCESSING
SURFACE ROUGHNESS 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" .01" [.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

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Product information including XMA logo, phone/fax numbers, title 'ATTENUATOR, SMA-m/f, DC-18GHz, 2W', and drawing details like size B, cage code 3HT76, drawing number 2082-604X-dB, and revision M.

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.

REVISIONS table with 5 columns: REV, DESCRIPTION, ECO #, DATE, APPROVED. Rows include K (ADDED MARKING/UPDATE FORMAT), L (UPDATED TABLE), and M (CORRECTED TITLE & MARKING).

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