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SPECIFICATIONS

ELECTRICAL

FREQUENCY RANGE\_DC- 18GHz

ATTENUATION ACCURACY

0 - 6 dB (and Half dB Steps) ±0.30 dB
7 - 20 dB (and Half dB Steps to 11.5) ±0.50 dB
25 & 30 dB ±0.75 dB

VSWR

DC - 6 GHz 1.15:1 MAX
6 - 12.4 GHz 1.25:1 MAX
12.4 - 18 GHz 1.35:1 MAX

INPUT POWER

2 WATTS AVG. @ 25°C
DERATES LINEARLY TO 10% @ 125°C FROM 25°C

PEAK POWER

500 WATTS
(5 µSec PULSE WIDTH, .05% DUTY CYCLE)

IMPEDANCE

50 OHMS

OPERATING TEMP RANGE

-54°C TO +125°C

CONFORMANCE TESTING IS 100% ATTENUATION AND V.S.W.R. ACROSS SWEEPED FREQUENCY RANGE AT 20-25°C

MECHANICAL

CONNECTOR BODIES PASSIVATED STAINLESS STEEL PER MIL-PRF-39012/MIL-DTL-3933

CENTER CONDUCTORS GOLD PLATED BERYLLIUM COPPER (C17200 OR C17300 IAW ASTM B196) per MIL-PRF-39012/MIL-DTL-3933

INSULATORS PTFE (TEFLON) IAW ASTM-D1710

RESISTIVE ELEMENT THIN FILM HYBRID ON 99.6% ALUMINA SUBSTRATE

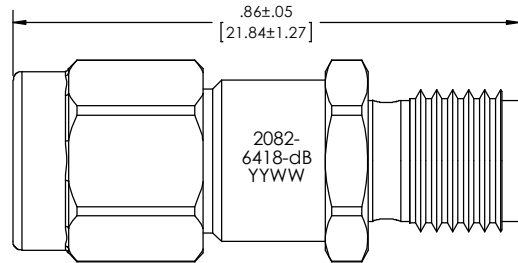
NOT A HERMETIC SEALED UNIT
RECOMMENDED CONNECTION TORQUE IS 7-8 in./Lbs. (0.8 to 0.9 Nm)

RoHS COMPLIANT DEVICE

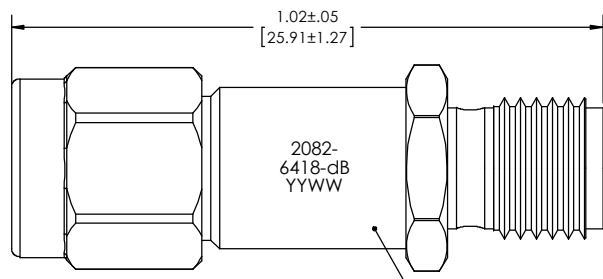
MARKING

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, AND READABLE.
YYWW EQUALS DATE CODE.

Table with 5 columns: REV, DESCRIPTION, ECO #, DATE, APPROVED. Rows D through G.



00 THRU 12 dB



13 THRU 30 dB

Table with 4 columns: QTY., PART NUMBER, DESCRIPTION, ITEM NO. Row 1: 1, TA-2082-6400-dBXU, ASSEMBLY, ATTENUATOR, SMA-m/f, DC-18GHz, 2W UNMARKED, 1

DRAWING PRACTICES PER ANSI Y14.5
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.

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.F.
DO NOT SCALE PRINT

DRAWN V.SHELBY 11/04/13
DATE 11/04/13
CHECKED T.KUHN 11/04/13
DATE 11/04/13
ENG APPR. T.KUHN 11/04/13
DATE 11/04/13
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XMA logo, Phone: 603-222-2256, Fax: 603-222-2259, 150 Dow Street, Manchester, NH 03103. ATTENUATOR, SMA-m/f, DC-18GHz, 2W. SIZE C, CAGE CODE 3HT76, DRAWING NUMBER 2082-6418-dB, REV G. SHEET 1 OF 1.

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