

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 _____ 4 KELVIN TO +125°C
 150° C STORAGE

CONFORMANCE TESTING IS 100% ATTENUATION AND V.S.W.R. ACROSS SWEPT 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 ON CERAMIC RESISTIVE CIRCUIT

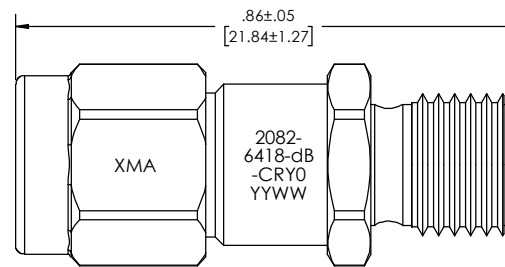
NOT A HERMETIC SEALED UNIT
 RECOMMENDED CONNECTION TORQUE IS 7-8 in./Lbs. (0.8 to 0.9 Nm)

RoHS COMPLIANT DEVICE

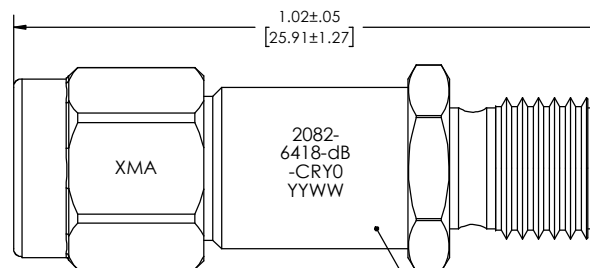
MARKING

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, READABLE.
 YYWW EQUALS DATE CODE.

REVISIONS				
REV	DESCRIPTION	ECO #	DATE	APPROVED
C	ADDED 25 dB	16-014	1/21/16	T.KUHN
D	REVISED MARKING	16-065	3/30/16	T.KUHN
E	DELETED 0.25 dB ATTEN FROM SPECS	16-093	4/26/16	T.KUHN
F	CHANGED ASSY IN BOM	17-057	4/26/17	T.KUHN



00 THRU 12 dB



13 THRU 30 dB

QTY.	PART NUMBER	DESCRIPTION	ITEM NO.
	2082-6418-dB-CRYO	ATTENUATOR, SMA-m/f, DC-18GHz, 2W	
1	TA-2082-6400-dBXU-CRYO	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 FINISH: 63 SEE NOTES MATERIAL: 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.F. DO NOT SCALE PRINT	DRAWN V.SHELBY 7/15/13 CHECKED MCCORMICK 7/15/13 ENG APPR. T.KUHN 7/15/13 DATE THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF XMA CORP. OR OMNI SPECTRA AND SHALL NOT BE REPRODUCED, COPIED NOR USED IN WHOLE OR IN PART AS A BASIS FOR THE MANUFACTURE OR SALE OF OTHER ITEMS WITHOUT THE EXPRESS WRITTEN PERMISSION OF XMA CORP.
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ATTENUATOR, SMA-m/f, DC-18GHz, 2W

SIZE	CAGE CODE	DRAWING NUMBER	REV
C	3HT76	2082-6418-dB-CRYO	F
SCALE	PLATED AREA 50 IN	SHEET 1 OF 1	

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