

ELECTRICAL

SPECIFICATIONS

FREQUENCY RANGE _____ DC- 18GHz

ATTENUATION ACCURACY ACROSS FREQ. RANGE

01-06 dB _____ ±0.30 dB

07-10 dB _____ ±0.50 dB

11 & 12 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 AVG. @ 25°C

DERATES LINEARLY TO 10% @ 125°C FROM 25°C

RF LEAKAGE/RFI _____ >65 dBc (>90 dBc TYP.)

PEAK POWER _____ 500 WATTS

(5 µ Sec PULSE WIDTH, .25% 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 ON CERAMIC RESISTIVE CIRCUIT

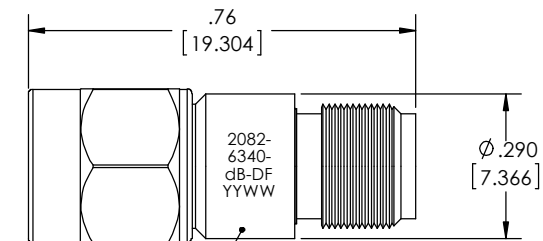
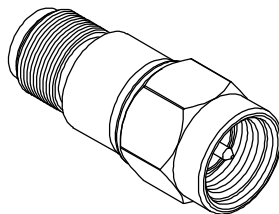
NOT A HERMETIC SEALED UNIT

RoHS COMPLIANT DEVICE

MATERIALS, ENVIRONMENTAL PERFORMANCE & FINISHES COMPLY TO MIL-DTL-3933

MARKING

PART LOOKS LIKE PRODUCT IMAGE ABOVE.
 PART MARKING ORIENTATION AND FORMAT AS SHOWN.
 MARKING TO BE AS LARGE AS POSSIBLE BE, CLEAR, READABLE.
 ".dB" TO BE REPLACED WITH TWO DIGIT dB VALUE SPECIFIED ON WORK ORDER
 YYWW = DATE CODE.



MARKING AREA
SEE NOTE

REVISIONS				
REV	DESCRIPTION	ECO #	DATE	APPROVED
-	INITIAL RELEASE	16-112	5/10/16	T.KUHN

QTY.	PART NUMBER	DESCRIPTION	ITEM NO.
X	2082-6340-dB-DF	ATTENUATOR, SMA-m/f, DC-18 GHz, 2 WATTS AVG, 500 WATTS PEAK	
1	TA-2082-6340-dB-DFU	ASSEMBLY, ATTENUATOR, SMA-m/f, DC-18 GHz, 2 WATTS AVG, 500 WATTS PEAK, UNMARKED	1

DRAWING PRACTICES PER ANSI-Y-14.5 MIL-STD-100 & 1000
 DIMENSIONS ARE IN INCHES AND APPLY BEFORE / AFTER PROCESSING
 SURFACE ROUGHNESS μ INCHES **63**
 FINISH:
 SEE NOTE
 MATERIAL:
 SEE NOTE
 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 5/10/16
 CHECKED DATE
 MCCORMICK 5/10/16
 ENG. APPR. DATE
 T.KUHN 5/10/16
 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-18 GHz, 2W

SIZE B	CAGE CODE 3HT76	DRAWING NUMBER 2082-6340-dB-DF	REV -
SCALE	PLATED AREA SQ. IN	SHEET 1 OF 1	

The supplier shall only use raw materials that are in accordance with DFAR Clause 252.225-7014, "Preference For Domestic Specialty Metals, Alt. 1" Metals must have been melted in the United States, its outlying areas, or a qualifying country listed in DFARS 225.872-1. These instructions must be flowed down to all sub-tier suppliers as well. Certifications of compliance to this requirement must be made available to XMA Corporation upon request.