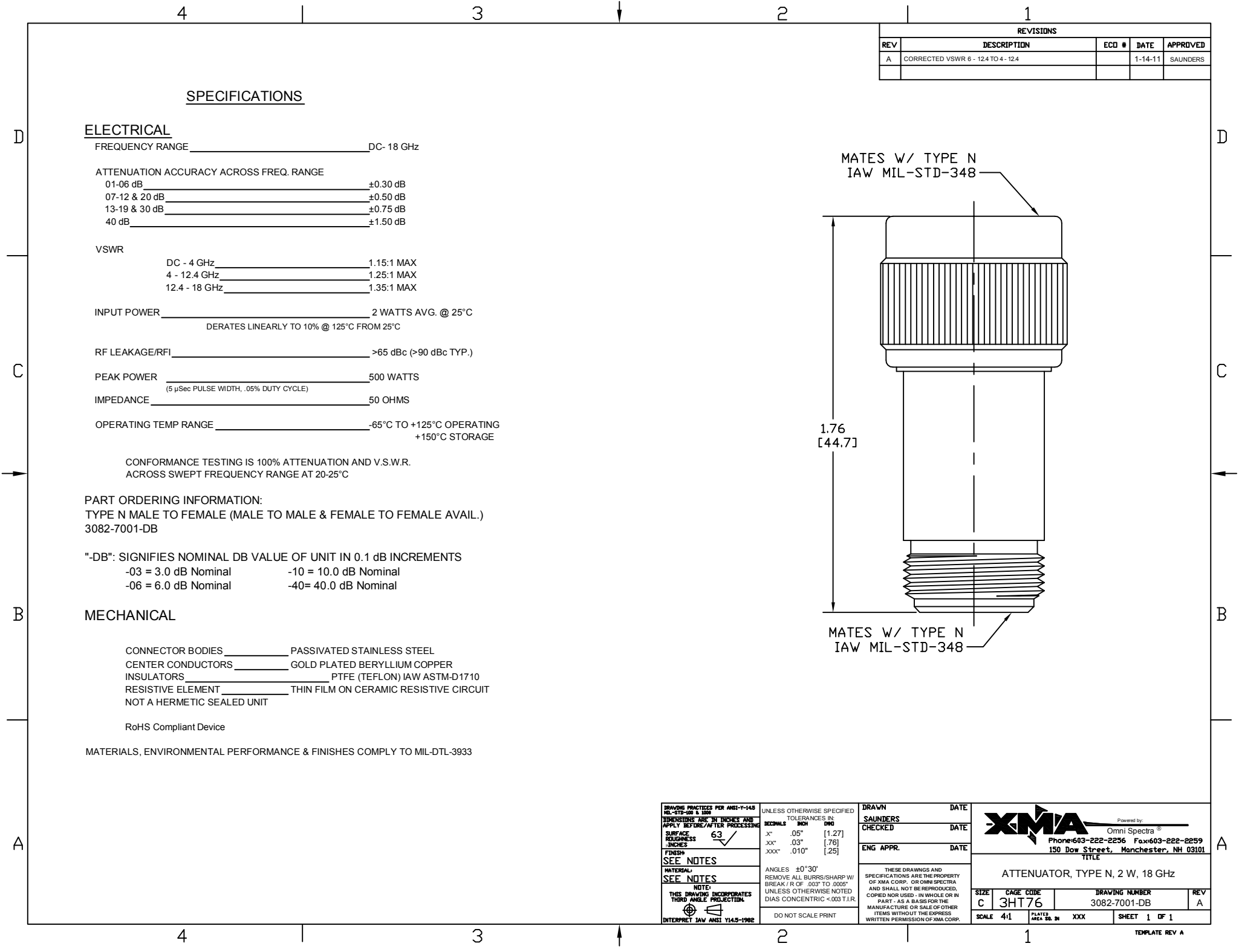




REVISIONS				
REV	DESCRIPTION	ECD #	DATE	APPROVED
A	CORRECTED VSWR 6 - 12.4 TO 4 - 12.4		1-14-11	SAUNDERS

SPECIFICATIONS

ELECTRICAL

FREQUENCY RANGE _____ DC- 18 GHz

ATTENUATION ACCURACY ACROSS FREQ. RANGE

01-06 dB	±0.30 dB
07-12 & 20 dB	±0.50 dB
13-19 & 30 dB	±0.75 dB
40 dB	±1.50 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 µSec PULSE WIDTH, .05% DUTY CYCLE)

IMPEDANCE _____ 50 OHMS

OPERATING TEMP RANGE _____ -65°C TO +125°C OPERATING

+150°C STORAGE

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

PART ORDERING INFORMATION:
TYPE N MALE TO FEMALE (MALE TO MALE & FEMALE TO FEMALE AVAIL.)
3082-7001-DB

"-DB": SIGNIFIES NOMINAL DB VALUE OF UNIT IN 0.1 dB INCREMENTS

-03 = 3.0 dB Nominal	-10 = 10.0 dB Nominal
-06 = 6.0 dB Nominal	-40 = 40.0 dB Nominal

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

DRAWING PRACTICES PER ANSI-Y-14.5 MIL-STD-883C & 1000 DIMENSIONS ARE IN INCHES AND APPLY BEFORE/AFTER PROCESSING		UNLESS OTHERWISE SPECIFIED TOLERANCES IN: DECIMALS INCH DIM X" .05" [1.27] XX" .03" [.76] XXX" .010" [.25]		DRAWN _____ DATE _____ SAUNDERS CHECKED _____ DATE _____ ENG APPR. _____ DATE _____		POWERED BY: XMA Omni Spectra® Phone:603-222-2256 Fax:603-222-2259 150 Dow Street, Manchester, NH 03101 TITLE	
SURFACE FINISH 63 ✓ SEE NOTES MATERIALS SEE NOTES NOTE: THIS DRAWING INCORPORATES THIRD ANGLE PROJECTION INTERPRET IAW ANSI Y14.5-1992		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		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.		ATTENUATOR, TYPE N, 2 W, 18 GHz	
SIZE C		CAGE CODE 3HT76		DRAWING NUMBER 3082-7001-DB		REV A	
SCALE 4:1		PLATED AREA SH. IN XXX		SHEET 1 OF 1		TEMPLATE REV A	