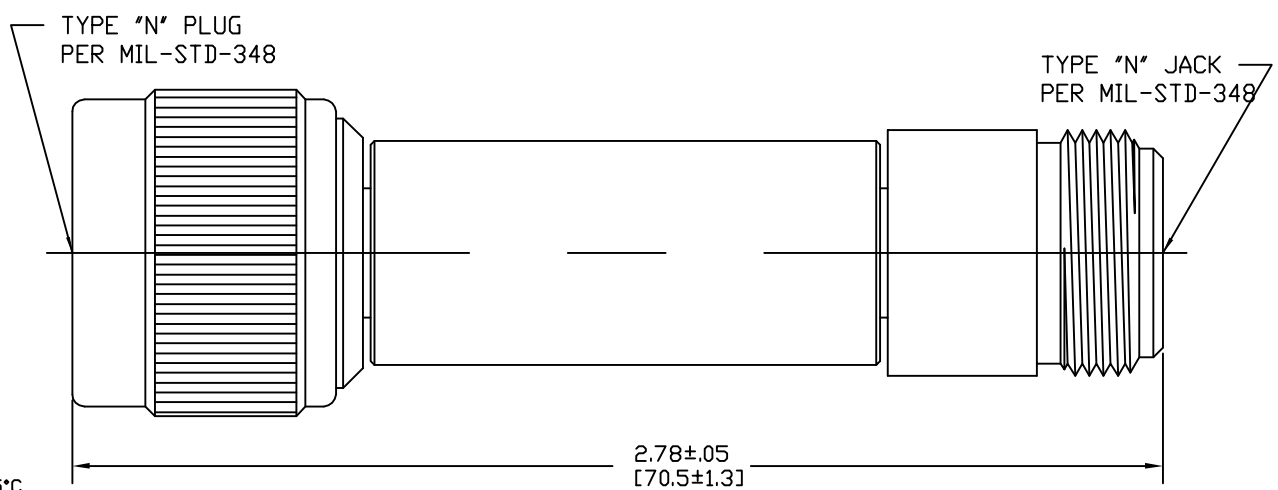


**PRODUCTION
RELEASE**

NOTE:
THIS DRAWING INCORPORATES
THIRD ANGLE PROJECTION
INTERPRET IAW ANSI Y14.5-1995

REVISIONS		APPROVED
REV	DESCRIPTION	
-	RELEASED	04/17/2009 D. Saunders



ELECTRICAL

FREQUENCY RANGE _____ DC- 18GHz

ATTENUATION ACCURACY ACROSS FREQ. RANGE

40 dB	±1.00 dB
50 & 60 dB	±1.50 dB
70 dB	±1.75 dB
80 dB	±2.00 dB

VSWR

DC - 4 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

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

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

IMPEDANCE _____ 50 OHMS

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

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

PART ORDERING INFORMATION:
TYPE N MALE TO FEMALE (MALE TO MALE & FEMALE TO FEMALE AVAIL.)
3082-6196-DBX

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

-400 = 40.0 dB Nominal	-500 = 50.0 dB Nominal
-600 = 60.0 dB Nominal	-800 = 80.0 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 BUT ADDING *-IP68* FOR IP68 COMPLIANCE IS AVAILABLE

RoHS DEVICE

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

DRAWING PRACTICES PER ANSI-Y14.5 MIL-STD-100 & 1000	UNLESS OTHERWISE SPECIFIED TOLERANCES IN:	DRAWN D. SAUNDERS	DATE
DIMENSIONS ARE IN INCHES AND APPLY BEFORE/AFTER PROCESSING	DECIMALS INCH IN	CHECKED	DATE
SURFACE ROUGHNESS	.XX" .XXX" .XXXX"	ENG.	DATE
FINISH:	ANGLES	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.	
MATERIAL:	UNLESS OTHERWISE NOTED DIAS CONCENTRIC <.003 T.I.R.		
SEE NOTES	SEE NOTES		

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150 Dow Street, Manchester, NH 03101

Powered by:

TITLE
**HIGH ATTENUATION
TYPE N, 2 W, 18 GHz**

SIZE C	CAGE CODE 3HT76	DWG NO. 3082-6196-DBX
SCALE 4:1	PLATING AREA SQUARE INCHES	XXX SHEET 1 OF 1