

DRAWING / ITEM NUMBER	DESCRIPTION	REV
2-6A-MFN-5X		A

PRODUCTION  
RELEASE

NOTE:  
THIS DRAWING INCORPORATES  
THIRD ANGLE PROJECTION  
INTERPRET IAW ANSI Y14.5-1992

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

ELECTRICAL

FREQUENCY RANGE DC- 18GHz

ATTENUATION ACCROSS 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

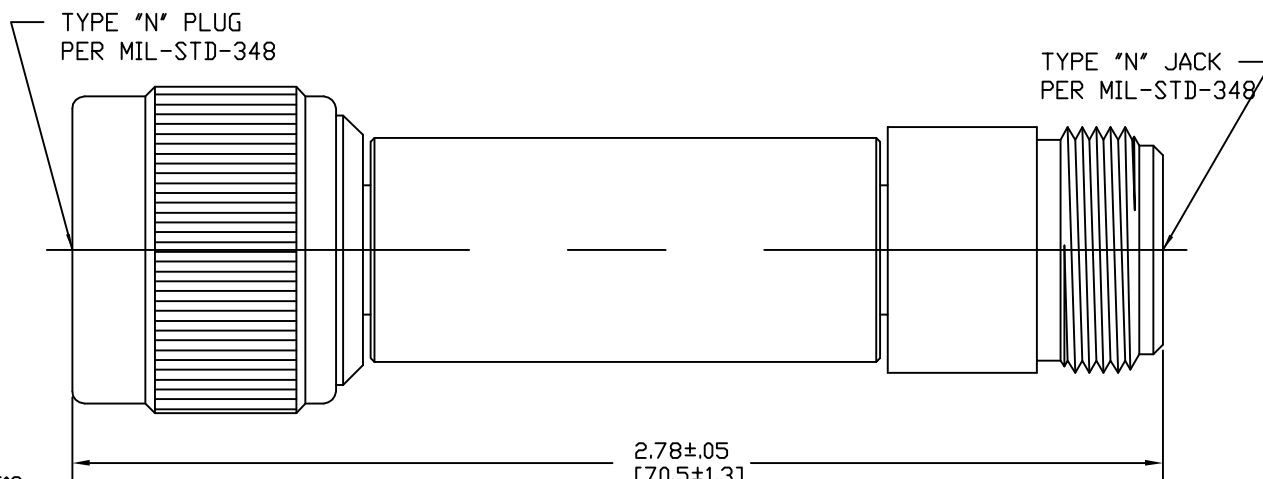
-400 = 40.0 dB Nominal      -500 = 50.0 dB Nominal  
 -600 = 60.0 dB Nominal      -800 = 80.0 dB Nominal

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

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High Attenuation  
 Type N, 2 W, 18 GHz

SCALE 4:1 PLATING AREA XXX SHEET 1 OF 1