

SPECIFICATIONS

FREQUENCY RANGE _____ DC - 18 GHz

ATTENUATION(S)

0 DB	+0.30 / -0
0.5 TO 6 DB (1/2 DB STEPS)	±0.30 DB
6.5 TO 12.0 DB (1/2 DB STEPS)	±0.50 DB
13 TO 20 DB (1 DB STEPS)	±0.50 DB
21 TO 30 DB (1 DB STEPS)	±1.00 DB
31 TO 40 DB	±1.50 DB

VSWR (MAX.)

SLOPED SPECIFICATION $1.07 + 0.015f(\text{GHz})$ DC to 18 GHz
ie. @DC <1.070:1 and @18 GHz <1.34:1

Power (Average/RMS) _____ 2 Watts

Derates to 0.5 W from 25 to +125°C

Power, Peak _____ <500 Watts

5 microsecond Pulse W. @ <0.25 % Duty Cycle

Operating Temperature Range _____ -55°C to +125°C

Storage Temperature Range _____ -65°C to +150°C

Materials: IAW MIL-DTL-3933 & MIL-PRF-39012

Housing & Coupling Nut _____ Stainless Steel, Passivated Finish

Conductors _____ Beryllium Copper. Gold over Ni Plated

Dielectrics _____ Teflon IAW ASTM-D1710

Resistors _____ Thin film on Alumina Hybrid

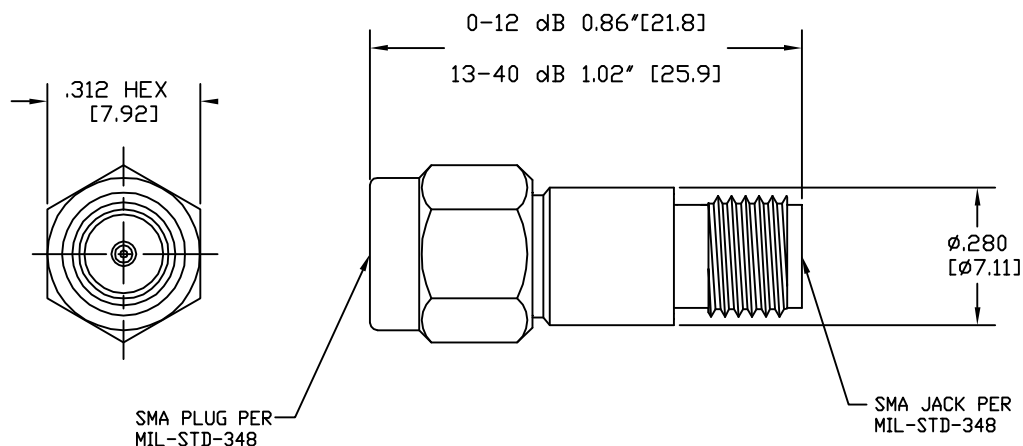
Female to Housing Seal with Epoxy per PS068

Units are marked with XMA/Omni Spectra ® or Logo, Part Number and dB as a minimum in either Epoxy Based Ink or Laser Marking - Factory Choice. Meets MIL-STD-130 Requirements for permanency.

PRODUCTION
RELEASE

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

REVISIONS			APPROVED
REV	DESCRIPTION		
X1	RELEASED		01/14/2010 D. Saunders/TK



Ordering Information

2082-7018-DBX

-DBX is the Nominal Attenuation in 1 Decimale Place but full 3 Characters

DB is the dB and the X is the Decimal 0 or 5 for .0 or .5 dB

Replace with below to get:

-000 = 0 dB

-015 = 1.5 dB

-030 = 3.0 dB

-100 = 10 dB

DRAWING PRACTICES PER ANSI-Y14.5
MIL-STD-100 & 1000

3DIMENSIONS ARE IN INCHES AND
APPLY BEFORE/AFTER PROCESSING

SURFACE
FINISH
63 ✓

SEE NOTES

MATERIAL:
SEE NOTES

UNLESS OTHERWISE SPECIFIED
TOLERANCES IN

DECIMALS INCH MM
.X" .05" [1.3]
.XX" .030" [7.6]
.XXX" .020 [5.2]
.XXXX" .010 [2.5]

ANGLES ±

UNLESS OTHERWISE NOTED:
DIA CONCENTRIC <.003 T.I.R.

DRAWN
D. SAUNDERS

CHECKED

DATE
01/14/2010

ENG
D. SAUNDERS

DATE
01/14/2010

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XMA Corp. 150 Dow St. Manchester, NH 03045 (603) 222-2256 fax 222-2259		
TITLE Sealed, SMA Coaxial Attenuator, Fixed Value		
SIZE C	CAGE CODE 3HT76	DWG NO. 2082-7018-DBX
SCALE 5 : 1	PLAT NO. SPSA SUBLE INCHES	XXX SHEET 1 OF 1