

SPECIFICATIONS

ELECTRICAL

FREQUENCY RANGE_____DC TO 18 GHz

ATTENUATION_____0-6 dB _____ ± 0.3 dB
 7-10, 20 dB _____ ± 0.5 dB
 11-19, 21-30 dB _____ ± 0.7 dB
 40 dB _____ ± 1.0 dB
 50, 60 dB _____ ± 2.0 dB

(AVAILABLE IN 1/2 dB VALUES 0.5 - 10.5 dB)

VSWR(MAX)_____DC-4 _____1.15
 4-12.4 _____1.25
 12.4-18 _____1.35

POWER_____2 WATTS (AVG) 0.5 dB AND ABOVE
 50 WATTS FOR 0 dB UNIT
 500 WATTS (PEAK)

DERATED LINEARLY FROM 100% AT +25° C TO 10% AT +125 C

* 5 μ S PULSE W, 0.05% DUTY CYCLE

IMPEDANCE:_____50 OHMS

MECHANICAL

OPERATING TEMP RANGE -65 TO +125°

1.24 LENGTH / WEIGHT MAX. 0.40oz. (11.3g)

1.80 LENGTH / WEIGHT MAX. 0.60oz. (15.3g)

MATERIAL

OUTER CONDUCTOR: STAINLESS STEEL NON MAGNETIC,
 PASSIVATED FINISH.

CENTER CONDUCTOR: BERYLLIUM COPPER, GOLD PLATED FINISH.

DIELECTRIC: TEFLON.

MATERIALS & FINISHES TYPICALLY PER MIL-PRF-39012

ORDERING INFORMATION

2082-6191 -01 THRU -03

2082-6192 -04 THRU -06

2082-6193 -07 THRU -10

2082-6194 -11 THRU -20

2082-6195 -30 AND -40(1.24LG)

2082-6196 -40, -50, -60

2081-619X-dB FOR MALE TO MALE

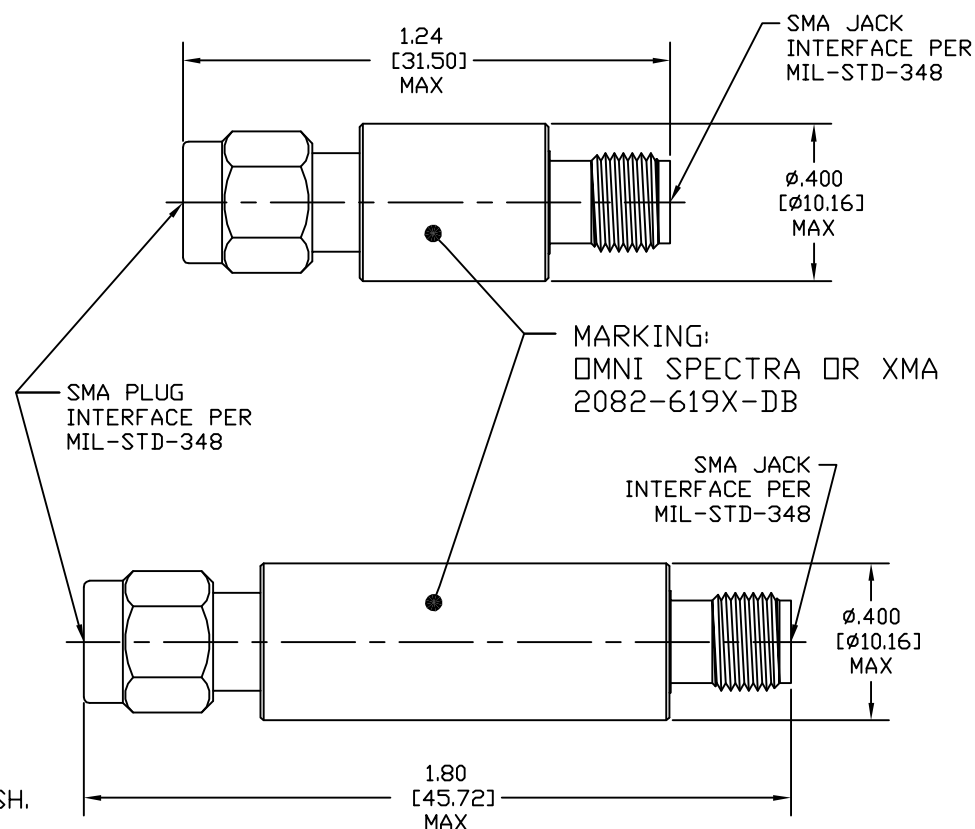
2080-619X-dB FOR FEMALE TO FEMALE

PRODUCTION
RELEASE

NOTE:
THIS DRAWING INCORPORATES
THIRD ANGLE PROJECTION
INTERPRET IN ACCORDANCE WITH
ANSI Y14.5-1995

REVISIONS

REV	DESCRIPTION	DATE	APPROVED
E	REVISED TO C SIZE SHT, UPDATED FORMAT	09/09/10	D.S.S



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

3DIMENSIONS ARE IN INCHES AND
APPLY BEFORE/AFTER PROCESSING

SURFACE
ROUGHNESS

FINISH

SEE NOTES

MATERIAL

SEE NOTES

UNLESS OTHERWISE SPECIFIED
TOLERANCES IN
DECIMALS INCH MM
.XX" .075" [1.9]
.XXX" .050" [1.3]
.XXXX" .030 [0.76]

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

DRAWN
T. MAIN

CHECKED

DATE
07/28/2010

DATE
09/09/2010

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TITLE

FIXED COAXIAL ATTENUATOR

SIZE C CAGE CODE DWG NO.

3HT76 2082-619X-XX

SCALE 4:1 PLATING AREA SQUARE INCHES XXX SHEET 1 OF 1