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PRODUCTION RELEASE

NOTE:
THIS DRAWING INCORPORATES
THIRD ANGLE PROJECTION.
INTERPRET 1st ANGLE Y14.5-1992

REVISIONS

LTR	DESCRIPTION	DATE	APPROVED
B	REPLACED SIDE VIEW, RELOCATED MOUNTING HOLES	04/19/11	T.A.K

ELECTRICAL

FREQUENCY RANGE	DC - 6 GHz, 12.4 GHz & 18 GHz		
AVAILABLE dB VALUES	1-10, 20, 30, 40 & 50 dB		
ATTENUATION ACCURACY	DC-6GHz	6-12.4GHz	12.4-18GHz
3 & 6 dB	±0.3 dB	±0.5 dB	±0.75 dB
10 & 20 dB	±0.5 dB	±0.75 dB	±1.00 dB
30 dB	±0.75 dB	±1.00 dB	±1.25 dB
40 dB	±1.00 dB	±1.25 dB	±1.50 dB
50 dB	±1.25 dB	NA	NA

VSWR

DC - 6 GHz	1.20:1 MAX
6 - 12.4 GHz	1.30:1 MAX
12.4 - 18 GHz	1.40:1 MAX

INPUT POWER 25 WATTS AVG. @ 25°C

PEAK POWER DERATED LINEARLY TO 10 WATTS @ 125°C

500 WATTS (5µSec PULSE, 0.05% DUTY CYCLE)

IMPEDANCE 50 OHMS

OPERATING TEMP RANGE -65°C TO +125°C

MECHANICAL

TYPE N CONNECTORS	PASSIVATED STAINLESS STEEL
CONDUCTORS	GOLD PLATED BERYLLIUM COPPER
HOUSING	BLACK ANODIZED ALUMINUM

ORDERING INFORMATION

3082-6525-FQ-DB	TYPE N MALE INPUT TO FEMALE OUTPUT
3081-6525-FQ-DB	TYPE N MALE INPUT TO MALE OUTPUT
3080-6525-FQ-DB	TYPE N FEMALE INPUT TO FEMALE OUTPUT
3082-6525-FQ-FM-DB	TYPE N FEMALE INPUT TO MALE OUTPUT

TO DESIGNATE MAX FREQUENCY REPLACE "FQ" WITH:

"-06" = 6 GHz; "-12" = 12.4 GHz; "-18" = 18 GHz

ORDERING EXAMPLES

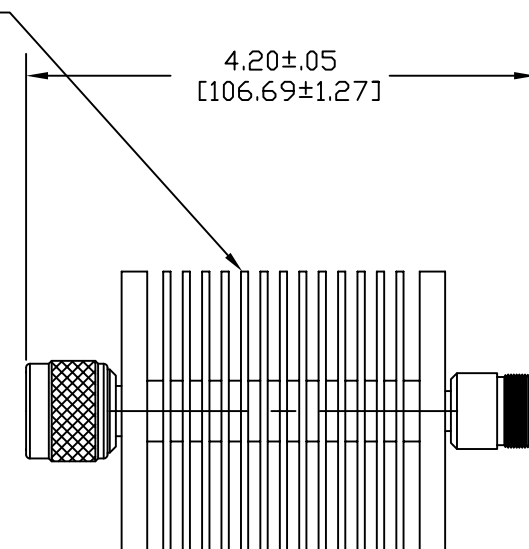
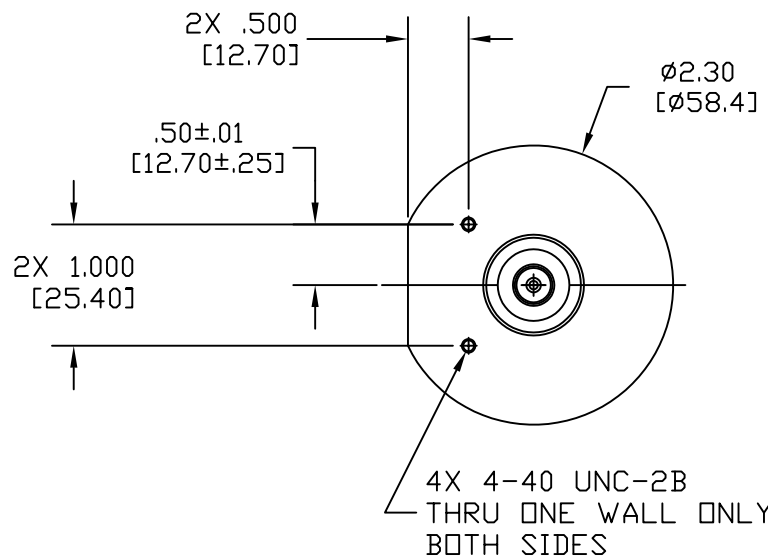
A 10dB UNIT MALE TO FEMALE FOR 6 GHz WOULD BE	3082-6525-06-10
A 20dB UNIT MALE TO MALE FOR 18 GHz WOULD BE	3081-6525-18-20
A 3dB UNIT FEMALE TO MALE FOR 12 GHz WOULD BE	3082-6525-12-FM-03

NOTES:

UNIT IS BIDIRECTIONAL.

50 dB UNIT IS AVAILABLE TO 6GHz ONLY.

QUANTITY OF HEATSINK FINS, THICKNESS AND FIN SPACING MAY VARY WITHOUT NOTICE. BASIC SHAPE & OTHER PARAMETERS SHALL REMAIN AS DIMENSIONED.



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

DIMENSIONS ARE IN INCHES AND
APPLY BEFORE/AFTER PROCESSING

SURFACE
ROUGHNESS
INCHES 63

FINISH
SEE NOTES

MATERIAL
SEE NOTES

UNLESS OTHERWISE SPECIFIED

TOLERANCES IN:
DECIMALS INCH DIM
.X" .03" [.76]
.XX" .010" [.25]
.XXX" .005 [.127]
.XXXX" .0005" [.013]
ANGLES ±0°30'

REMOVE ALL BURRS/SHARP W/
BREAK / R OF .003" TO .0005"

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

DRAWN T. MAIN DATE 11/30/2010
CHECKED T. KUHN DATE 11/30/2010
ENGINEER APPR. T. KUHN DATE 11/30/2010

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TITLE
OUTLINE DRAWING ATTENUATOR
25 W, TYPE N M/F, Up To 18 GHz

SIZE B	CAGE CODE 3HT76	DRAWING NUMBER 3082-6525-FQ-DB
SCALE 1:1	PLATED AREA SQ. IN XXX	SHEET 1 OF 1

BCSI