

SPECIFICATIONS

ELECTRICAL

FREQUENCY RANGE	DC - 6GHz, 12.4GHz & 18GHz		
AVAILABLE dB VALUES	1 - 10, 20, 30, 40 & 50 dB		
ATTENUATION ACCURACY	DC-6GHz	6-12.4GHz	12.4-18GHz
1 - 6 dB	±0.3 dB	±0.5 dB	±0.75 dB
7 - 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

(DERATED LINEARLY TO 10 WATTS @ 125°C)

PEAK POWER 500 WATTS

(50% 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

2082-6525-FQ-DB	SMA MALE INPUT TO FEMALE OUTPUT
2081-6525-FQ-DB	SMA MALE INPUT TO MALE OUTPUT
2080-6525-FQ-DB	SMA FEMALE INPUT TO FEMALE OUTPUT
2082-6525-FQ-FM-DB	SMA FEMALE INPUT TO MALE OUTPUT

TO DESIGNATE MAX FREQUENCY REPLACE "-FQ" WITH:

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

THIS 25 WATT UNIT IS AVAILABLE WITH:
TYPE N, TNC, AND DIN 7/16 CONNECTORS
AND AS AN TERMINATION - CONTACT YOUR
REPRESENTATIVE FOR ORDERING INFORMATION

ORDERING EXAMPLES

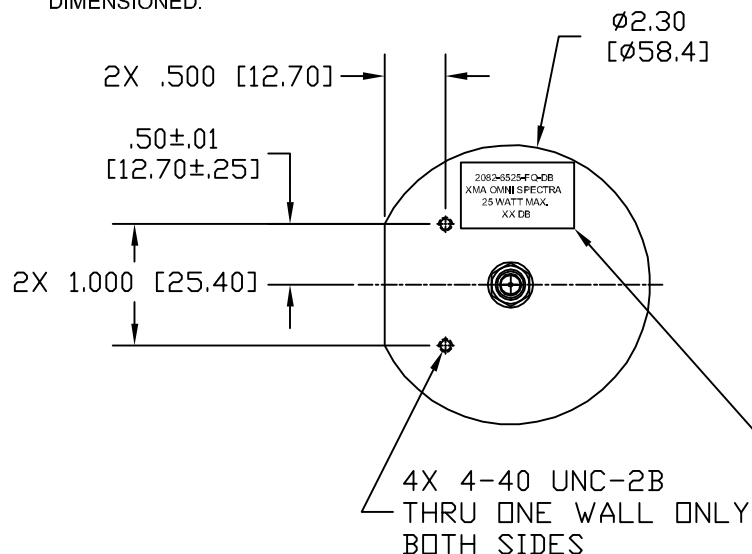
- A 10dB UNIT MALE TO FEMALE FOR 6 GHz WOULD BE 2082-6525-06-10
- A 20dB UNIT MALE TO MALE FOR 18 GHz WOULD BE 2081-6525-18-20
- A 3dB UNIT FEMALE TO MALE FOR 12 GHz WOULD BE 2082-6525-12-FM-03

NOTES:

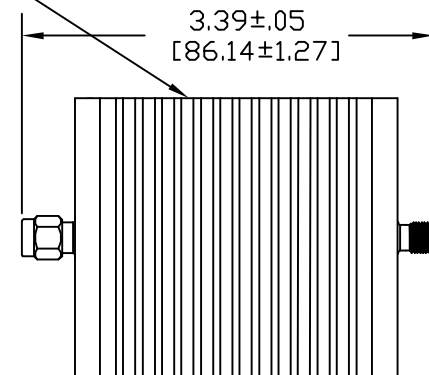
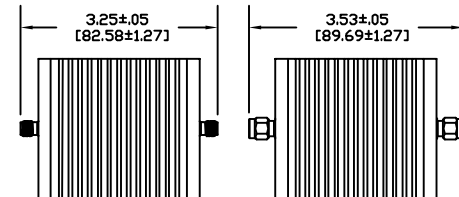
UNIT IS BIDIRECTIONAL.

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.



2080-6525-FQ-DB 2081-6525-FQ-DB



Standard Is METALIZED
MYLAR LABEL (2 MIN.)
AFFIXED PERMANANTLY
FOR INFO & IDENTIFICATION

DRAWING PRACTICES PER ANSI-Y-14.5 MIL-STD-100 & 1000	
DIMENSIONS ARE IN INCHES AND APPLY BEFORE/AFTER PROCESSING	
SURFACE ROUGHNESS IN INCHES	63 ✓
FINISH	SEE NOTES
MATERIAL	SEE NOTES
NOTE: THIS DRAWING INCORPORATES THIRD ANGLE PROJECTION.	
INTERPRET. IAW ANSI Y14.5-1982	

UNLESS OTHERWISE SPECIFIED TOLERANCES IN:	
DECIMALS	INCH
.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.	
DO NOT SCALE PRINT	

DRAWN	DATE
D. SAUNDERS	07/14/11
CHECKED	DATE
D. SAUNDERS	07/14/11
ENG APPR.	DATE
D. SAUNDERS	07/14/11
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OUTLINE DRAWING, ATTENUATOR,
25 W, SMA, UP TO 18 GHz

SIZE B	CAGE CODE 3HT76	DRAWING NUMBER 208X-6525-FQ-DB	REV D
SCALE 1:1	FLATTEN REF. IN XXX	SHEET 1 OF 1	TEMPLATE REV -