

Each Side:

70 Cm Band

17 cm Wide
56 cm High

23 cm Band

5.9 cm Wide
40 cm High.

13 cm Band

3.2 cm Wide
24 cm High

90 degree
bend.

3 cm
Not critical

Slot	13cm	23cm	70cm
L	91 mm	170 mm	480 mm
W	4 mm	8 mm	20 mm

The antenna may be tuned to for a perfect match by adjusting the slot length symetrically.

Semi-flex 0.141" dia solid outer co-ax soldered along it's length to the inside of the brass sheet. Connected to centre of the slot.

Fit N connector.

0.7 Wavelength slot for 13, 23 or 70 cm.

Omnidirectional Horizontal Polarization, Wide bandwidth.

G8ADM 19 Apr 2005

C:\WORK\ENG\Slots\23Cm\OmniSlot.dsf

S11 SWR 1.000/ Ref 1.000 [F1]

11.00

1	1.296000000	GHz	1.2816
2	1.248000000	GHz	1.2946
>3	1.308000000	GHz	1.2640

10.00

9.000

8.000

7.000

6.000

5.000

4.000

3.000

2.000

1.000



1 Start 1.1 GHz

IFBW 70 kHz

Stop 1.4 GHz Cor

S11 Smith (R+jX) Scale 1.000U [F1]

1	1.296000000	GHz	49.089 Ω	-12.078 Ω	10.168 pF
2	1.248000000	GHz	57.104 Ω	-10.608 Ω	12.021 pF
>3	1.308000000	GHz	45.692 Ω	-9.9089 Ω	12.280 pF



1 Start 1.1 GHz

IFBW 70 kHz

Stop 1.4 GHz **Cor**