

S-Band
LHCP HELIX DISH FEED LH-23RA
(N – connector (F))

Front of the dish feed:.....
Deduct 5cm from focus point length to calculate length



This LHCP (RHCP on request) DISH feed is a design for prime focus dishes with a F/D of 0.45 – 0.50
LH-23RA will be tuned to 1420MHz Radio Astronomy Frequency or customer request frequency.

A feed clamp is available to mount this feed in front of the RF HAMDESIGN dishes.
Feed is waterproof, a little hole is drilled to prevent moisture. Mount this hole facing down.

LHCP Polarization:

When this dish feed is placed in front of a dish the polarization changes to RHCP.
To calculate focal length: Deduct 5cm (Refer text close to picture)

Dimensions: D=110mm H=200mm (inc. connector)

Specifications:

Specifications LH-23RA	
1.4GHz LHCP Polarization:	Yes
Prime Focus Dish Feed:	F/D 0.45...0.50
Connector	N-Conn Female
Impedance	50 Ohm
Return loss:	>27 dB
Band width	~70 MHz
Gain stand alone	<3dBd
Beam width H \angle 3dB	67 dgr
Beam width H \angle 10dB	111 dgr
Dimensions round:	D=110mm / L=200mm
Weight:	0.5 Kg
RF Power 2.4GHz:	150W CW
Waterproof	IP-53

Option, Feed support bracket CLX-1

When the feed is ordered inc. dish feed mounting clamp (P/N CLX-01), you can easy mount it as the picture at the right. There is a option with CLX-01 to slide in/out the dish feed optimal performance and gain.

In the supplied RF HAMDESIGN Mesh DISH KIT manual you can find the optimal distance for your ordered Mesh Dish.



Available Additional Options:	
CLX-1	Bracket to mount dish feed in front of dish
BR-50	Fixed Elevation Bracket



CLX-01 Bracket



BR-50 Bracket

This bracket is used when you want to place the dish in fixed Azimuth and Elevation direction.
(Elevation can be set max to 80 Degree)