

## Ku LNB (HX-KuLNB)



### ➤ Product features

The Ku-band LNB mainly includes a receiving channel, a low-noise amplifier, and a local oscillator circuit; it amplifies the low-noise signal of the Ku-band from the satellite and down-converts it to the S/L band. The product has the characteristics of high reliability and small size, and the product is used in satellite ground terminals.

Low noise; high frequency stability; small size; low phase noise; performance indicators have reached the international advanced level.

### ➤ Main indicator parameter

Parameter name	Typical value
Model	SP-k-42
Output frequency	Basic type: 12.25GHz~12.75GHz; Extended frequency band: 10.95GHz~12.2GHz; Zhongxing 9 frequency band: 11.7GHz~12.2GHz;
Input frequency	Basic type: 0.95GHz~1.450 GHz; Extended frequency band: 0.95GHz~1.7GHz; Zhongxing 9 frequency band: 0.95GHz~1.45GHz;
1dB compression point	2dBm typ., 4dBm max
Noise figure	0.8dB typ., 1dB max.
Linear gain	57dB typ., 62dB max.

Parameter name	Typical value
Model	SP-k-42
Frequency Stability	±0.1ppm (room temperature) ±1ppm (full temperature)
Gain stability	4.0dB max.
IF interface	F
Input waveguide	WR-75G
Input standing wave	2.5:1 typ.
Output standing wave	2.3:1 typ.
Powered by	12~24V
Current	200mA
Volume	90.4mm×43mm×43mm
Weight	≤0.18Kg
Operating temperature	-40°C~60°C

