

# LNB 10.7 L.O. - Quad Output 13MM-KU4F

Quad output KU band PLL LNB with 10.7GHz local oscillator suited for VAST satellite TV, Optus 10 and D3 satellite reception. Using the latest PLL technology for optimum performance with low current operation.

## Features and Benefits

- » 10.7GHz local oscillator with output frequency range 950MHz - 2050MHz
- » PLL technology (Phase-Locked Loop) for greater stability
- » Low current operation
- » VAST TV reception plus Optus 10 and Optus D3 reception
- » High gain with low noise
- » Flat output response with +/- 1.0dB across 54MHz bandwidth



## 13MM-KU4F Specifications

Reception Frequency		11.70-12.75GHz
Output Frequency		950-2050MHz
L.O. Frequency		10.7GHz
Gain		60dB
Gain Flatness	In 54MHz Bandwidth	±1.0dB
	Across the Band 11.7-12.75GHz	±2.5dB
Gain Difference (Between V & H Polarity)		3dB maximum
Noise Figure		0.8dB
Image Rejection		40dB minimum
1dB Compression Point		0dBm
3rd Order Modulation (Two Tones) Intercept Point		50dBc minimum
L.O. Stability	Room Temperature	±300KHz
	Over Temperature	±500KHz
L.O. Phase Noise	@ 1KHz Offset	-55dBc/Hz maximum
	@ 10KHz Offset	-80dBc/Hz maximum
	@ 100KHz Offset	-90dBc/Hz maximum
L.O. Leakage @ Input		-50dBm
Output VSWR		2.0:1
Cross-Polar Isolation		25dBm
Polarity Switching Voltage	Vertical	11.5-14V
	Horizontal	16-19V
DC Current Consumption	Input Voltage	110mA
Mobile Interference Suppression	-10dBm Output @ Test Fixture Antenna Assemble Stage	-40dBm
Operating Temperature		-30~+70°C