

VK8L OCTO LNB

Universal Ku Band 8-Out with Bracket

Technical Specification

Input Frequency	Low Band: 10.7~11.7GHz
	High Band: 11.7~12.75GHz
Feedhorn - Linear	Optimised for offset dish
Output Frequency	Low Band: 950~1950MHz
	High Band: 1100~2150MHz
Output VSWR (950 - 2150MHz)	Ratio 2.0:1 (typ.), 2.5:1 (max.)
L.O. Frequencies	9.75GHz (LB) / 10.6GHz (HB)
L.O. Stability	±1.3MHz @ 25°C ~ ±2.5MHz @ -40~70°C
L.O. Phase Noise (25°C)	@ 1kHz: -65dBc/Hz (typ.), -55dBc/Hz (max.)
	@ 10kHz: -85dBc/Hz (typ.), -75dBc/Hz (max.)
	@ 100kHz: -100dBc/Hz (typ.), -90dBc/Hz (max.)
Conversion Gain	54~65dB @ 25°C, 53~65dB @ -40°C~70°C
Gain Flatness Over Full Band	5dB P-P (typ.), 8dB P-P (tmax.)
Gain Flatness Over 26MHz	± 0.5dB P-P (typ.) ± 0.75dB P-P (max.)
Gain Flatness Over 300MHz	± 4dB P-P (typ.), ± 5.5dB P-P (max.)
Spurious Gain @ 1.7GHz	-48dB (typ.) -45dB (max.)
Noise Figure	1dB (typ.), 1.2dB (max.)
Cross Polar Isolation	18dB (min.) 20dB (typ.)
Image Rejection	37dB (min), 40dB (typ.)
Current Consumption	210mA (typ.), 360mA (max.) 12V
Connector Type	75Ω female F-connector
Operating Temp.	-30°C ~ +70°C
RED Compliance	EN 303 372-1

- 8 Outputs with switchable polarity
- Low noise, high stability and isolation
- Supplied with Mk. 4 dish bracket

Finished in grey

Part No.
VK8L



Supplied with a Sky™ compatible bracket including built-in spirit level

