

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	± 0.5MHz (typ.) ± 1.0MHz (max.) @ 25°C, ± 1.0MHz (typ.) ± 2.0MHz (max.) @ -35~70°C
L.O. Phase Noise (25°C)	@ 1kHz: -65dBc/Hz (typ.), -55dBc/Hz (max.) @ 10kHz: -83dBc/Hz (typ.), -75dBc/Hz (max.) @ 100kHz: -95dBc/Hz (typ.), -90dBc/Hz (max.)
Conversion Gain	54~68dB @ 25°C
Gain Flatness Over Full Band	5dB P-P (typ.), 8dB P-P (max.)
Gain Flatness @ 26MHz	± 0.5dB P-P (typ.), ± 0.75dB P-P (max.)
Gain Flatness @ 300MHz	± 4dB P-P (typ.), ± 5.5dB P-P (max.)
Spurious Gain @ 1.7GHz	-55dB (typ.) -50dB (max.)
Noise Figure	0.9dB (typ.), 1.1dB (max.)
Cross Polar Isolation	18dB (min.), 20dB (max.)
Port to port Isolation	20dB (min.)
Image Rejection	37dB (min), 40dB (typ.)
Current Consumption	80mA (typ.), 110mA (max.) 12V
Connector Type	75Ω female F-connector
Operating Temp.	-35°C ~ +70°C @ Relative Humidity 95%
RED Compliance	EN 303 372-1

- Single output with switchable polarity
- Low noise, high stability for quality reception
- Supplied with Mk. 4 dish bracket

Finished in grey



Part No.
VK1X

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

Weather boot also supplied

