

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	0.5-1.0MHz @ 25°C, 0.5-1.0MHz @ -40~70°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	55~63dB @ 25°C, 53~60dB @ -40°C~70°C
Gain Flatness Over Full Band	3dB P-P (typ.), 5dB 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	-50dB (typ.) -47dB (max.)
Noise Figure	1dB (typ.), 1.2dB (max.)
Cross Polar Isolation	18dB (min.)20dB (typ.)
Image Rejection	37dB (min), 40dB (typ.)
Current Consumption	120mA (typ.), 140mA(max.) 12V
Connector Type	75Ω female F-connector
Operating Temp.	-40°C ~ +70°C
RED Compliance	EN 303 372-1

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

