



Modell		
QTF-031	Quattro Flansch LNB - 0,3dB	



Input Frequency	Low Band 10.7 - 11.7 GHz High Band 11.7 - 12.75 GHz
Output Frequency	Low Band 950 - 2150 MHz High Band 950 - 2150 MHz
Noise Figure	0.3 dB typ
Gain	50 - 60 dB
Gain Ripple	26 MHz bandwidth ± 0.5 dB Low Band < 5 dB typ High Band < 5 dB typ
Local Oscillator Frequency	Low 9.75 GHz High 10.6 GHz
Local Oscillator Phase Noise (typ)	1kHz -65 dBc/Hz 10kHz -95 dBc/Hz 100kHz -110 dBc/Hz
Local Oscillator stability	including Setting, aging and ± 1 MHz typ temperature drift ± 3 MHz max
Current Consumption	185mA typ
Image Rejection	> 40 dB
Isolation	Cross Polar Isolation > 30 dB High to Low Band Isolation > 30 dB
Two Tone 3rd Order intercept point (output)	> 15 dBm
Output Connector 4x female F-Type	Impedance 75 Ohm Return Loss > 10 dB
Operating Temperature Range	-40°C to $+70^{\circ}\text{C}$
Storage Temp Range	-40°C to $+70^{\circ}\text{C}$
Power Supply	8V to 19V
In Band Spurious (primarily 1700MHz)	< -65 dBm
Out of Band Spurious (primarily 850MHz)	< -45 dBm
Output Gain Difference (between the outputs in 26MHz Bandwidth)	< 6 dB
Output configuration	Horizontal High Output 1 Horizontal Low Output 2 Vertical High Output 3 Vertical Low Output 4
18.5mm \varnothing Waveguide, C120 Flange	