Modell		
QDF-031	QuattroSwitch 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	One Receiver 200mA typ Each Additional Receiver 30mA typ (When connected to more than one receiver the overall current will be shared between all Receivers)
Image Rejection	>40 dB
Isolation	Cross Polar Isolation > 30 dB typ High to Low Band Isolation > 30 dB typ
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°C
Storage Temp Range	-40°C to +70°C
Band Polarization Selection Signals applied to F-type connector Vertical Polarization Selection Horizontal Polarization Selection High Band Selection Frequency (square wave with controlled rise/fall transition time) Level Transition time Duty Cycle Load Impedance Low Band Selection	 11.5V to 14V 15.5V to 19V 22kHz tone 18 kHz to 26 kHz 0.4 Vpp to 0.8 Vpp 5µS to 15µs 40% to 60% at 22kHz >70 Ohm No tone
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
18.5mm Ø Waveguide, C120 Flange	