

Universal Quatro LNB

4 Fixed Output Universal LNB



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completing the picture



QTH - 031



QTF - 031

The Quatro Universal LNB provides 4 fixed outputs, ideal for weak signal areas. The **QTH** has a 40mm diameter collar to suit standard offset dishes, whilst the **QTF** (C120 flange) is for use with various types of feed horn, commonly fitted to prime focus dishes. Both LNBs are supplied with gaiters to create a weather-proof seal on the cable connections.

Specification

1. Input Frequency	
Low Band	10.7 - 11.7 GHz
High Band	11.7 - 12.75 GHz
2. Output Frequency	
Low Band	950 - 2150 MHz
High Band	950 - 2150 MHz
3. Noise Figure	
QTF - 031, QTH - 031	0.3 dB typ
QTH-051	0.5 dB typ
4. Gain	50 - 60 dB
5. Gain Ripple	
26 MHz bandwidth	<+/- 0.5 dB
Low Band	<5 dB typ
High Band	<5 dB typ
6. Local Oscillator Frequency	
Low Band	9.75 GHz
High Band	10.6 GHz
7. Local Oscillator Phase Noise (typ)	
1 kHz	-65 dBc/Hz
10 kHz	-95 dBc/Hz
100 kHz	-110 dBc/Hz
8. Local Oscillator Stability (including setting, aging and temperature drift)	+/- 1 MHz typ +/- 5 MHz max
9. Current Consumption	185 mA typ

10. Image Rejection	>40 dB
11. Isolation	
Cross Polar Isolation	>30 dB
High to Low Band Isolation	>30 dB
12. Two-tone 3rd Order Interception Point (output)	>15 dB
13. Output Connector	4 x Female F-type
Impedance	75 Ohm
Return Loss	>10 dB
14. Operating Temperature Range	-40°C to +70°C
Storage Temperature Range	-40°C to +70°C
15. Power Supply	8V to 19V
16. In Band Spurious (primarily 1700 MHz)	<-65 dBm
17. Out of Band Spurious (primarily 850 MHz)	<-45 dBm
18. Output Gain Difference (between the outputs in 26 MHz bandwidth)	<6 dB
19. Output Configuration	
Horizontal High	Output 1
Horizontal Low	Output 2
Vertical High	Output 3
Vertical Low	Output 4
20. QTF - 031 Interface	18.5mm Ø Waveguide, C120 Flange
QTH - 031	Off-set Parabola Matched, Frequency Compensated Feed Horn, 40mm Dish Clamp