

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		10. Image Rejection	>40 dB
Low Band	10.7 - 11.7 GHz	11. Isolation	
High Band	11.7 - 12.75 GHz	Cross Polar Isolation	>30 dB
<hr/>		High to Low Band Isolation	>30 dB
2. Output Frequency		12. Two-tone 3rd Order Interception Point (output)	>15 dB
Low Band	950 - 2150 MHz	13. Output Connector	4 x Female F-type
High Band	950 - 2150 MHz	Impedance	75 Ohm
<hr/>		Return Loss	>10 dB
3. Noise Figure		14. Operating Temperature Range	-40°C to +70°C
QTF - 031, QTH - 031	0.3 dB typ	Storage Temperature Range	-40°C to +70°C
QTH-051	0.5 dB typ	15. Power Supply	8V to 19V
<hr/>		16. In Band Spurious (primarily 1700 MHz)	<-65 dBm
4. Gain	50 - 60 dB	17. Out of Band Spurious (primarily 850 MHz)	<-45 dBm
<hr/>		18. Output Gain Difference	<6 dB
5. Gain Ripple		(between the outputs in 26 MHz bandwidth)	
26 MHz bandwidth	<+/- 0.5 dB	19. Output Configuration	
Low Band	<5 dB typ	Horizontal High	Output 1
High Band	<5 dB typ	Horizontal Low	Output 2
<hr/>		Vertical High	Output 3
6. Local Oscillator Frequency		Vertical Low	Output 4
Low Band	9.75 GHz	20. QTF - 031 Interface	18.5mm Ø Waveguide, C120 Flange
High Band	10.6 GHz	QTH - 031	Off-set Parabola Matched, Frequency Compensated Feed Horn, 40mm Dish Clamp
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7. Local Oscillator Phase Noise (typ)			
1 kHz	-65 dBc/Hz		
10 kHz	-95 dBc/Hz		
100 kHz	-110 dBc/Hz		
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8. Local Oscillator Stability			
(including setting, aging and temperature drift)	+/- 1 MHz typ +/- 5 MHz max		
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9. Current Consumption	185 mA typ		