

UNIVERSAL QUATRO LNB

4 Fixed Output Universal LNB



QTH-031

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	
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	9.75 GHz
High	10.6 GHz
7 Local Oscillator Phase Noise (typ)	
1kHz	-65 dBc/Hz
10kHz	-95 dBc/Hz
100kHz	-110 dBc/Hz
8 Local Oscillator stability (including Setting, aging and temperature drift)	
+/-1 MHz typ +/-3 MHz max	
9 Current Consumption	
185mA typ	

QTF-031

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

Patent Pending

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