LNB
KU-BAND PLL
1000H

TYPICAL SPECIFICATIONS

<table>
<thead>
<tr>
<th>Specification</th>
<th>1000HA</th>
<th>1000HB</th>
<th>1000HC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Noise figure</td>
<td>0.7 dB</td>
<td>0.8 dB</td>
<td>0.9 dB</td>
</tr>
<tr>
<td>L.O. stability (over temperature excl. offset)</td>
<td>±10 kHz to ±25 kHz</td>
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<tr>
<td>Phase noise (SSB)</td>
<td>-75 dBc/Hz at 1 kHz</td>
<td>-80 dBc/Hz at 10 kHz</td>
<td>-95 dBc/Hz at 100 kHz</td>
</tr>
<tr>
<td>Input VSWR</td>
<td>2.2 : 1</td>
<td>2.2 : 1</td>
<td>2.2 : 1</td>
</tr>
<tr>
<td>Output VSWR</td>
<td>2.2 : 1</td>
<td>2.2 : 1</td>
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</tr>
</tbody>
</table>

FREQUENCY BANDS AVAILABLE

<table>
<thead>
<tr>
<th>Band</th>
<th>Input frequency (GHz)</th>
<th>L.O. frequency (GHz)</th>
<th>Output frequency (MHz)</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>11.70 - 12.20</td>
<td>10.75</td>
<td>950 to 1450</td>
</tr>
<tr>
<td>B</td>
<td>12.25 - 12.75</td>
<td>11.30</td>
<td>950 to 1450</td>
</tr>
<tr>
<td>C</td>
<td>10.95 - 11.70</td>
<td>10.00</td>
<td>950 to 1700</td>
</tr>
</tbody>
</table>

HOW TO ORDER

1208HAF

CONNECTOR
- F - 75 Ohm
- N - 50 Ohm

FREQUENCY
- A - 11.70 - 12.20 GHz
- B - 12.25 - 12.75 GHz
- C - 10.95 - 11.70 GHz

NOISE FIGURE
- 07 - 0.7 dB
- 08 - 0.8 dB
- 09 - 0.9 dB

L.O. STABILITY
- 1 - ±10 kHz
- 2 - ±25 kHz
(See HS1000 for < 5 kHz L.O. stability)

LNB SERIES #

Conversion gain | 60 dB
Output P1dB     | 5 dBm
Power requirements | +15 to +24 V supplied through center conductor of IF cable
Current drain   | 200 mA
Input Waveguide | WR75
Dimensions      | 110 (L) x 42 (W) x 42 (H) mm (4.3 x 1.7 x 1.7 in)
Weight          | 300 g / 10.6 oz
Temperature Range | -40°C to +60°C

Note: You also have the option of upgrading to the HS1000 series, which also includes the ±3 kHz L.O. (1307, 1308, 1309) It is the same great unit with better performance.