



LNB

KU-BAND DUAL-BAND PLL

1000HDF

SPECIFICATIONS

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|---------------------------------------|--|
| Noise Figure | 0.8 dB typ., 1 dB max. at room temp. @ CF |
| L.O. Stability | ± 10 kHz, ± 25 kHz |
| Phase Noise (SSB) max. | -70 dBc at 1kHz -80 dBc at 10kHz -95 dBc at 100kHz |
| Input VSWR | 2.5 : 1 max. |
| Output VSWR | 2.5 : 1 max. |
| Gain | 60 dB typ., 55 dB min., 65 dB max. |
| Gain Flatness (over full band) | ≤ 5 dB p-p |
| Output P1dB | + 5 dBm min. |



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|-------------------------------|---|
| DC Power | + 12V to + 24V DC (See below for Band Select) |
| Current | 350 mA max. |
| Input (waterproof) | WR-75 waveguide grooved |
| Output (waterproof) | F-Connector (75 Ohm) N-Connector (50 Ohm) |
| Dimensions (L x W x H) | 128 mm x 60 mm x 40 mm (5.00 in x 2.36 in x 1.57 in) |
| Weight | 400 g (14.11 oz) |
| Operating Temperature | - 40 to + 60°C |
| Storage Temperature | - 40 to + 80°C |

FREQUENCY BANDS

| | Band 1 (13V) | Band 2 (18V) |
|-----------------------------|------------------------|------------------------|
| Frequency Band (GHz) | 10.70 - 11.70 | 11.70 - 12.75 |
| L.O. Frequency (GHz) | 9.75 | 10.60 |
| IF Frequency (MHz) | 950 - 1950 | 1100 - 2150 |

HOW TO ORDER

1108HDFN

| | |
|--------------------|----------------------------|
| CONNECTOR | F - 75 Ohm N - 50 Ohm |
| INTERNAL REFERENCE | |
| NOISE FIGURE | 08 - 0.8 dB |
| L.O. STABILITY | 1: ± 10 kHz 2: ± 25 kHz |
| LNB SERIES # | |

MECHANICAL DIAGRAM

