



LNB

KU DUAL-BAND PLL

1000HDF-2



TYPICAL SPECIFICATIONS

Noise figure	0.8 dB typ
L.O. stability	± 10 kHz, ± 25 kHz
Phase noise (SSB) max	-70 dBc at 1kHz -80 dBc at 10kHz -95 dBc at 100kHz
Gain	60 dB typ., 55 dB min. @ full frequency band
Output P1dB	+ 5 dBm min
DC Power	+12V to +24V DC
Current	250mA

Input (waterproof)	WR-75 waveguide
Output (waterproof)	F-connector (75 ohm) N-connector (optional) (50 ohm)
Dimensions	128mm (L) x 60mm (W) x 40mm (H)
Weight	400 g
Operating Temperature	-40 to + 60°C
Storage Temperature	-40°C to +80°C
Ext Ref Frequency	10 MHz (sine-wave), -10 to 0 dBm

FREQUENCY BANDS AVAILABLE

	Band 1	Band 2
Frequency band (GHz)	10.70 - 11.70	11.70 - 12.75
L.O. frequency (GHz)	9.75 @ 13VDC	10.6 @ 18VDC
IF frequency (MHz)	950-1950	1100-2150

HOW TO ORDER

MECHANICAL DIAGRAM

1108HDFN-2

CONNECTOR	N – Optional N-connector
DUAL-BAND	D: 10.70-11.70 GHz F: 11.70-12.75 GHz
NOISE FIGURE	0.8 dB
LO STABILITY	1: ± 10kHz 2: ± 25kHz
LNB SERIES #	Version 2

