



LNB

KU-BAND PLL COMPACT 4000 SERIES



SPECIFICATIONS

Noise Figure	0.7 - 0.9 dB typ. at room temp. @ CF (0.8 - 1.0 dB max.)	DC Power	+ 15V to + 24V DC
L.O. Stability	± 150 kHz to ± 500 kHz (Depending on model number)	Current	300 mA max.
Phase Noise (SSB) max.	-70 dBc/Hz at 1kHz -80 dBc/Hz at 10kHz -90 dBc/Hz at 100kHz	Input (waterproof)	WR-75 waveguide grooved
Input VSWR	2.5 : 1	Output (waterproof)	F-Connector (75 Ohm) N-Connector (50 Ohm)
Output VSWR	2.5 : 1	Dimensions (L x W x H)	85 mm x 43 mm x 43 mm (3.3 in x 1.7 in x 1.7 in)
Gain	60 dB typ., 55 dB min., 70 max.	Weight	200 g (7.05 oz)
Gain Flatness (over full band)	≤ 4 dB p-p	Operating Temperature	- 40 to + 60°C
Output P1dB	+ 2 dBm min.	Storage Temperature	- 40 to + 80 °C

FREQUENCY BANDS

	4000A	4000B	4000C
Frequency Band (GHz)	11.70 -	12.25 -	10.95 -
L.O. Frequency (GHz)	12.20 10.75	12.75 11.30	11.70 10.00
IF Frequency (MHz)	950 - 1450	950 - 1450	950 - 1700

HOW TO ORDER

4107AN

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	07.7 dB 08.8 dB 09.9 dB
L.O. STABILITY	1: ±150 kHz 2: ±250 kHz 5: ±500 kHz
LNB SERIES #	

MECHANICAL DIAGRAM

