



LNB

KU-BAND PLL

15000L

SPECIFICATIONS

Noise figure	0.7 - 0.9 dB typ. at room temp. @ CF (0.8 - 1.0 dB max.)
L.O. stability (over temperature excl offset)	±50 kHz
Phase noise (SSB)	-65 dBc/Hz at 1kHz -75 dBc/Hz at 10kHz -85 dBc/Hz at 100kHz
Input VSWR	2.0 : 1
Output VSWR	2.0 : 1



Conversion gain	60 dB typ., 55 dB min., 65 dB max.
Output P1dB	6 dBm
Power requirements	+15 to +24 V supplied through center conductor of IF cable
Current drain	170 mA
Input Waveguide	WR75
Dimensions	110 (L) x 42 (W) x 42 (H) mm (4.3 x 1.7 x 1.7 in)
Weight	300g / 10.6 oz
Temperature Range	-40°C to + 60°C

FREQUENCY BANDS

Typical service	15000LA	15000LB	15000LC
Input frequency (GHz)	11.70 to 12.20	12.25 to 12.75	10.95 to 11.70
L.O. frequency (GHz)	10.75	11.30	10.00
Output frequency (MHz)	950 to 1450	950 to 1450	950 to 1700

HOW TO ORDER

15007LAF

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	50 - ±50 kHz
LNB SERIES #	

MECHANICAL DIAGRAM

