



LNB

KA-BAND QUAD-BAND PLL 9000HI4-4



TYPICAL SPECIFICATIONS

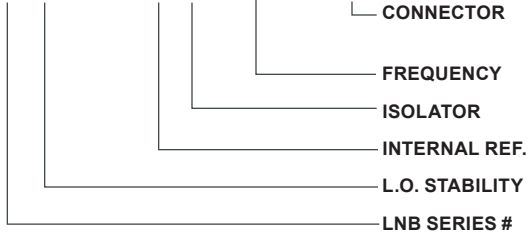
Noise Figure (@ +25°C)	2.0 dB max.	Gain Ripple (@per Channel)	+/- 1 dBp-p max.
L.O. Stability (@ over temp.)	+/- 10 KHz	1 dB Gain Compression Point	+10 dBm min.
Conversion Gain	58 to 65 dB	Leakage (@ Input Port)	-60 dBm max.
Gain Flatness (each band)	4 dBp-p max.	Required Current	350 mA max.
Phase Noise	-63 dBc/Hz (@ 100 Hz)	Input waveguide flange	WR-42 grooved
	-73 dBc/Hz (@ 1 kHz)	IF Output Connector	F-connector (75 ohm) N (Optional) (50 ohm)
	-80 dBc/Hz (@ 10 kHz)	Dimensions	156 (L) x 67 (W) x 37 (H) mm (6.1 x 2.6 x 1.5 in)
	-95 dBc/Hz (@ 100 kHz)	Weight	550g / 19.4 oz
Input VSWR	1.3 : 1 max.	Operating Temperature	-40 ~ +60°C
Output VSWR	2.0 : 1 max.	Storage Temperature	-40 ~ +80°C
Image Rejection	40 dBc @ band 1 25 dBc @ band 2 0 dBc min. @ other bands	Relative Humidity	0 ~ 100% RH

FREQUENCY BANDS AVAILABLE

Model Number	Input Frequency (GHz)	L.O. (GHz)	Control Signal
EC			
Band 1	17.20 to 18.20	16.25	13V / no tone
Band 2	18.20 to 19.20	17.25	13V / 22 kHz
Band 3	19.20 to 20.20	18.25	18V / no tone
Band 4	20.20 to 21.20	19.25	18V / 22 kHz
AD			
Band 1	18.20 to 19.20	17.25	13V / no tone
Band 2	19.20 to 20.20	18.25	13V / 22 kHz
Band 3	20.20 to 21.20	19.25	18V / no tone
Band 4	21.20 to 22.20	20.25	18V / 22 kHz

HOW TO ORDER

9100HI4ADN-4



F - 75 Ohm
N - 50 Ohm
AD or EC

1: ±10kHz

MECHANICAL DIAGRAM

