

9100HI4ECN

9000 Ka-Band, Quad Band PLL LNB

Frequency: EC: 17.20 - 21.20 GHz

Isolator: Yes

Output Connector: N: 50 Ohm



KEY SPECIFICATIONS

Band	Ka-Band
Input Frequency Band 1	17.20 - 18.20 GHz
Input Frequency Band 2	18.20 - 19.20 GHz
Input Frequency Band 3	19.20 - 20.20 GHz
Input Frequency Band 4	20.20 - 21.20 GHz
LO Frequency 1	16.25 GHz
LO Frequency 2	17.25 GHz
LO Frequency 3	18.25 GHz
LO Frequency 4	19.25 GHz
LO Stability	±10 kHz
LO Type	PLL
Noise Figure Max	2.0 dB
Noise Figure Typ	1.5 dB
Number Of Onboard Los	Quad-Band
Output Frequency Band 1	950 - 1950 MHz
Output Frequency Band 2	950 - 1950 MHz
Output Frequency Band 3	950 - 1950 MHz
Output Frequency Band 4	950 - 1950 MHz
Tone Frequency	22 kHz ± 4 kHz

RF SPECIFICATIONS

Control Signal 1	13V / No Tone
Control Signal 2	13V / 22kHz Tone
Control Signal 3	18V / No Tone
Control Signal 4	18V / 22kHz Tone
Conversion Gain Max	65 dB



Innovative Communication Solutions

Conversion Gain Min	55 dB
Conversion Gain Typ	60 dB
Gain Flatness (over Full Band)	≤ 4 dB p-p max.
Input VSWR	1.3 : 1 max.
Output P1db	+ 10 dBm min.
Output VSWR	2.2 : 1 max.
Phase Noise 100kHz Offset Max	-95 dBc/Hz

ELECTRICAL SPECIFICATIONS

Current Consumption	350 mA
Power Requirements	+12 to +24V DC

INTERFACE SPECIFICATIONS

IF Connector	N-Connector
Isolator	With Isolator
RF Input Connector	WR-42 waveguide grooved

ENVIRONMENTAL SPECIFICATIONS

Temperature Operational	-40 to +60°C
Temperature Storage	-40 to +80°C

PHYSICAL SPECIFICATIONS

Product Height	39 mm
Product Length	156 mm
Product Weight	0.56 kg
Product Width	67 mm

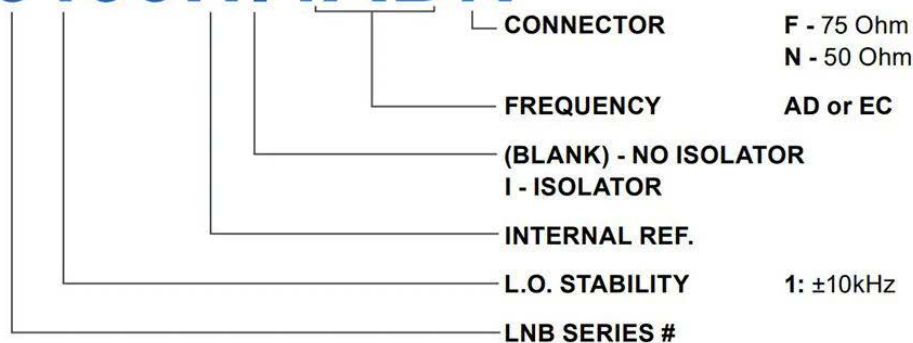
LOGISTICS SPECIFICATIONS

HS Code	Country of Origin	Ex Works	ECCN Number	Unit Package
8517690000	Made in the Republic of Korea	Richmond, BC, Canada	EAR99	190 x 115 x 77 mm 0.57 kg

HOW TO ORDER



9100HI4ADN



MECHANICAL DIAGRAMS

