

2007XDAN

2000 Dual-Band Ku-Band PLL LNB (0.7 dB)

Frequency: A: 10.95 - 11.70 GHz | 11.70 - 12.75 GHz

L.O. Stability: External Reference

Output Connector: N: 50 Ohm



KEY SPECIFICATIONS

Band	Ku-Band
Input Frequency Band 1	10.95 - 11.70 GHz
Input Frequency Band 2	11.70 - 12.75 GHz
LO Frequency 1	10.00 GHz
LO Frequency 2	10.75 GHz
LO Stability	Ext Ref
LO Type	PLL
Noise Figure Max	0.8 dB
Noise Figure Typ	0.7 dB
Number Of Onboard Los	Dual-Band
Output Frequency Band 1	950 - 1700 MHz
Output Frequency Band 2	950 - 2000 MHz
Tone Frequency	22 kHz $\pm$ 4 kHz

RF SPECIFICATIONS

Control Signal 1	13V / No Tone
Control Signal 2	18V / No Tone
Conversion Gain Max	65 dB
Conversion Gain Min	55 dB
Conversion Gain Typ	60 dB
Gain Flatness (over Full Band)	$\leq$ 6 dB p-p
Input VSWR	2.3 : 1 max.
Output P1db	+ 5 dBm min.

Innovative Communication Solutions

Output VSWR	2.2 : 1 max.
Phase Noise 0.1khz Offset Max	Depends on External Reference
Phase Noise 1khz Offset Max	Depends on External Reference
Phase Noise 10khz Offset Max	Depends on External Reference
Phase Noise 100khz Offset Max	Depends on External Reference

ELECTRICAL SPECIFICATIONS

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

INTERFACE SPECIFICATIONS

IF Connector	N-Connector
RF Input Connector	WR-75 waveguide grooved

ENVIRONMENTAL SPECIFICATIONS

Humidity	0 - 95%
IP Rating	IP 66
Temperature Operational	-40°C to +70°C
Temperature Storage	-50 to +80°C

PHYSICAL SPECIFICATIONS

Product Height	1.70 in
Product Length	4.46 in
Product Weight	0.255 kg
Product Width	1.72 in

LOGISTICS SPECIFICATIONS

HS Code	Country of Origin	Ex Works	ECCN Number	Unit Package
	Made in Canada	Richmond, BC, Canada	EAR99	135 x 68 x 48 mm 0.335 kg

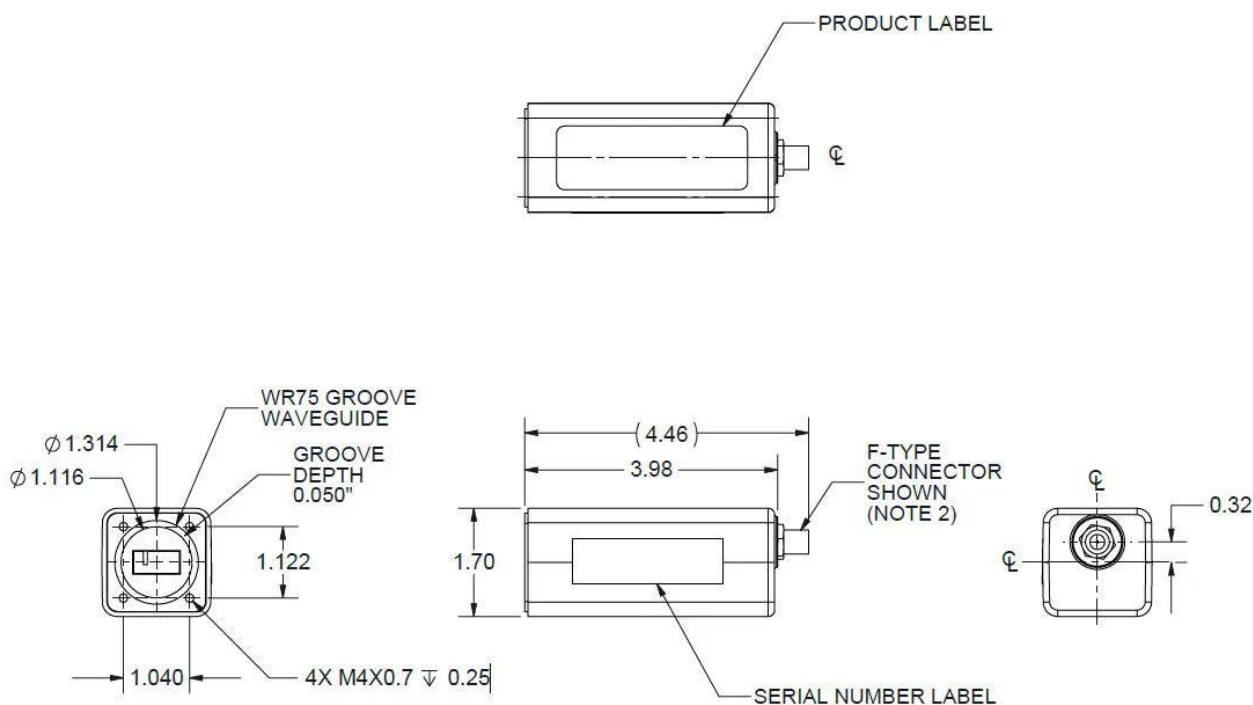
HOW TO ORDER



2108HSAF

LNB SERIES #	CONNECTOR	F: 75 Ohm N: 50 Ohm
	FREQUENCY	A / B / C / D / E / F / G (Please see next page for frequency bands)
	BAND	S: Single-Band D: Dual-Band T: Triple-Band U: Quad-Band
	REFERENCE	H: Internal Reference X: External Reference
	NOISE FIGURE	7: 0.7 dB 8: 0.8 dB 9: 0.9 dB
	L.O STABILITY	0: External Reference 1: ± 10 kHz 2: ± 25 kHz

MECHANICAL DIAGRAMS





FREQUENCY BANDS

Single Band				Dual Band																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
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