



9000XABN

9000 Dual-Band Ka-Band Ext REF LNB

Frequency: AB: 18.2 - 19.2 | 19.2 - 20.2 GHz

W/G Isolator: No

Output Connector: N: 50 Ohm



KEY SPECIFICATIONS

Band	Ka-Band
External Ref Freq	10 MHz (sine-wave), - 5 to +5 dBm
Input Frequency Band 1	18.20 - 19.20 GHz
Input Frequency Band 2	19.20 - 20.20 GHz
LO Frequency 1	17.25 GHz
LO Frequency 2	18.25 GHz
LO Stability	Ext Ref
LO Type	EXT
Noise Figure Max	1.6 dB
Noise Figure Typ	1.3 dB
Number Of Onboard LOs	Dual-Band
Output Frequency Band 1	950 - 1950 MHz
Output Frequency Band 2	950 - 1950 MHz
Product Revision	D

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)	≤ 5 dB p-p max.
Input VSWR	2.5 : 1 max.
Output P1dB	+ 5 dBm min.
Output VSWR	2.5 : 1 max.
Phase Noise 1kHz Offset Max	-70 dBc/Hz
Phase Noise 10kHz Offset Max	-78 dBc/Hz
Phase Noise 100kHz Offset Max	-95 dBc/Hz

ELECTRICAL SPECIFICATIONS

Current Consumption	400 mA
Power Requirements	+12 to +24V DC



INTERFACE SPECIFICATIONS

IF Connector	N-Connector
Isolator	No Isolator
RF Input Connector	WR-42 waveguide grooved

ENVIRONMENTAL SPECIFICATIONS

IP Rating	IP 67
Temperature Operational	-40°C to +60°C
Temperature Storage	-40 to +80°C

PHYSICAL SPECIFICATIONS

Product Height	45 mm
Product Length	120 mm
Product Weight	0.42 kg
Product Width	60 mm

SHIPPING INFORMATION

HS Code	8517690000
Country of Origin	Made in the Republic of Korea
Ex Works	Richmond, BC, Canada
ECCN Number	EAR99
Warranty	3 years
Unit Package Dimensions	145 x 95 x 65 mm
Unit Package Weight	0.48 kg
Total Aluminium Content	0.36 kg
Aluminum Country of Smelt and Cast	KR
Total Aluminium Value	\$ 0.9

HOW TO ORDER

9200HIABN

CONNECTOR	F: 75 Ohm N: 50 Ohm
FREQUENCY	AB: 18.2 - 19.2 GHz & 19.2 - 21.2 GHz BC: 19.2 - 20.2 GHz & 20.2 - 21.2 GHz CD: 20.2 - 21.2 GHz & 21.2 - 22.2 GHz
W/G ISOLATOR	BLANK: No isolator I: With Isolator
REFERENCE	H: Internal X: External
L.O. STABILITY	2: ± 25 kHz 5: ± 50 kHz 7: ± 70 kHz
LNB SERIES #	



MECHANICAL DIAGRAMS

