

9000-100113

9000 Tri-Band Ka-Band EXT REF LNB

Connector: N: 50 Ohm



KEY SPECIFICATIONS

Band	Ka-Band
External Ref Freq	10 MHz (sine-wave), - 5 to +5 dBm
Input Frequency Band 1	17.70 - 18.20 GHz
Input Frequency Band 2	18.20 - 19.20 GHz
Input Frequency Band 3	19.20 - 20.20 GHz
LO Frequency 1	16.75 GHz
LO Frequency 2	17.25 GHz
LO Frequency 3	18.25 GHz
LO Type	PLL
Noise Figure	1.7 dB typ at room temp. @ CF
Number Of Onboard Los	Triple-Band
Output Frequency Band 1	950 - 1450 MHz
Output Frequency Band 2	950 - 1950 MHz
Output Frequency Band 3	950 - 1950 MHz

RF SPECIFICATIONS

Conversion Gain Max	65 dB
Conversion Gain Min	55 dB
Conversion Gain Typ	60 dB
Gain Flatness (over Full Band)	≤ 4 dB p-p max.
Image Rejection	40 dBc min.
Input VSWR	1.5 : 1 max. with w/G isolator
In Band Spurious	-45 dBm max
Output P1db	+ 5 dBm min.
Output VSWR	2.0 : 1 max.

ELECTRICAL SPECIFICATIONS

Current Consumption	320 mA
Power Requirements	+12 to +24V DC

INTERFACE SPECIFICATIONS

IF Connector	N-Connector
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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	38.4 mm
Product Length	138.6 mm
Product Weight	1.1 kg w/G isolator
Product Width	108 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	

MECHANICAL DIAGRAMS

