

# 9000SHDBIF

## 9000 Ka-Simultaneous Dual Band PLL LNB

**Frequency Bands:** B: 18.2 - 19.2 GHz | 19.2 - 20.2 GHz

**W/G Isolator:** Yes

**Output Connector:** F: 75 Ohm



## KEY SPECIFICATIONS

<b>Band</b>	Ka-Band
<b>Input Frequency Band 1</b>	18.20 - 19.20 GHz
<b>Input Frequency Band 2</b>	19.20 - 20.20 GHz
<b>LO Frequency 1</b>	17.25 GHz
<b>LO Frequency 2</b>	18.25 GHz
<b>LO Stability</b>	±10 kHz
<b>LO Type</b>	PLL
<b>Noise Figure Max</b>	1.7 dB
<b>Number Of Onboard Los</b>	Simultaneous Dual Band
<b>Output Frequency Band 1</b>	950 - 1950 MHz
<b>Output Frequency Band 2</b>	950 - 1950 MHz

## RF SPECIFICATIONS

<b>Conversion Gain Max</b>	65 dB
<b>Conversion Gain Min</b>	55dB
<b>Conversion Gain Typ</b>	60 dB
<b>Gain Flatness (over Any 36mhz)</b>	1 dB p-p
<b>Gain Flatness (over Full Band)</b>	4 dB p-p
<b>Image Rejection</b>	40 dBc min.
<b>Input VSWR</b>	1.5 : 1 max.
<b>Output P1db</b>	5 dBm min.
<b>Output VSWR</b>	2.2 : 1 max.
<b>Phase Noise 0.1khz Offset Max</b>	-125 dBc/Hz max.



### ELECTRICAL SPECIFICATIONS

Current Consumption	350 mA max. (each band)
IF Connector	F Connector
Power Requirements	+12 to +24V DC (each band)

### INTERFACE SPECIFICATIONS

IF Connector	F-Connector
Isolator	With Isolator
RF Input Connector	WR 42

### ENVIRONMENTAL SPECIFICATIONS

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

### PHYSICAL SPECIFICATIONS

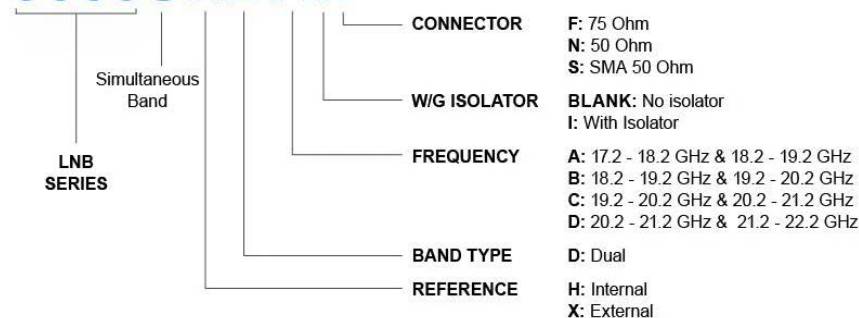
Product Height	159.2 mm
Product Length	38.4 mm
Product Weight	0.75 kg
Product Width	78.4 mm

### LOGISTICS SPECIFICATIONS

HS Code	Country of Origin	Ex Works	ECCN Number	Unit Package
	Made in the Republic of Korea	Richmond, BC, Canada	EAR99	160 mm x 80 mm x 40 mm   0.75 kg

### HOW TO ORDER

## 9000SHDAIF

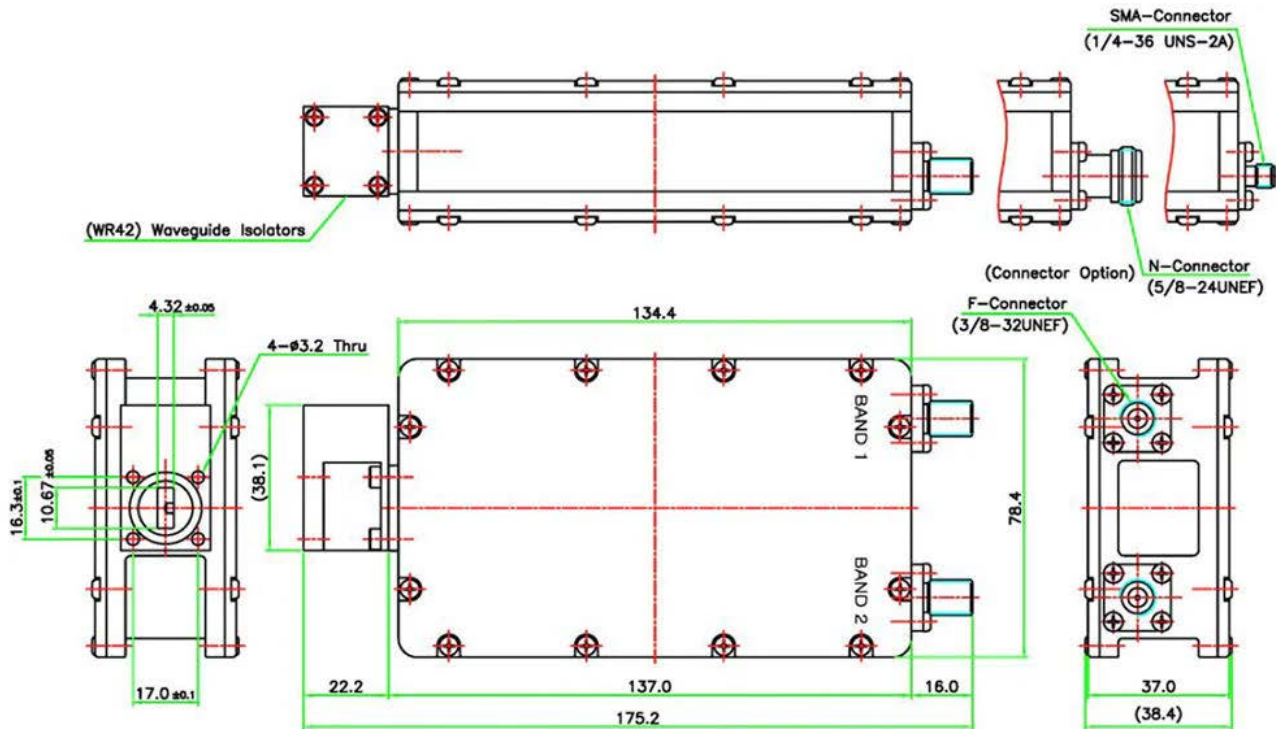


### MECHANICAL DIAGRAMS



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