



# 9000SHUBF

## 9000 Ka-Simultaneous Quad Band

### PLL LNB

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

**Bands:** 21.2 GHz | 21.2 - 22.2 GHz

**W/G Isolator:** No

**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>Input Frequency Band 3</b>	20.20 - 21.20 GHz
<b>Input Frequency Band 4</b>	21.20 - 22.20 GHz
<b>LO Frequency 1</b>	17.25 GHz
<b>LO Frequency 2</b>	18.25 GHz
<b>LO Frequency 3</b>	19.25 GHz
<b>LO Frequency 4</b>	20.25 GHz
<b>LO Stability</b>	±10 kHz
<b>LO Type</b>	PLL
<b>Noise Figure Max</b>	2.3 dB
<b>Number Of Onboard Los</b>	Simultaneous Quad Band
<b>Output Frequency Band 1</b>	950 - 1950 MHz
<b>Output Frequency Band 2</b>	950 - 1950 MHz
<b>Output Frequency Band 3</b>	950 - 1950 MHz
<b>Output Frequency Band 4</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>	3.5 : 1 max.
<b>Output P1db</b>	5 dBm min.
<b>Output VSWR</b>	2.2 : 1 max.

## ELECTRICAL SPECIFICATIONS

<b>Current Consumption</b>	450 mA max. (each band)
<b>IF Connector</b>	SMA Connector
<b>Power Requirements</b>	+12 to +24V DC (each band)

## INTERFACE SPECIFICATIONS

<b>IF Connector</b>	F-Connector
<b>Isolator</b>	No Isolator
<b>RF Input Connector</b>	WR 42

## ENVIRONMENTAL SPECIFICATIONS

<b>IP Rating</b>	IP 67
<b>Temperature Operational</b>	-40°C to +60°C

## PHYSICAL SPECIFICATIONS

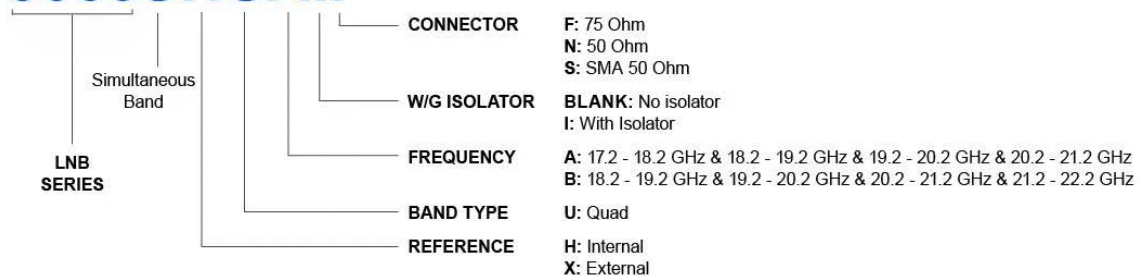
<b>Product Height</b>	188.2 mm
<b>Product Length</b>	38.4 mm
<b>Product Weight</b>	1 kg
<b>Product Width</b>	141 mm

## LOGISTICS SPECIFICATIONS

HS Code	Country of Origin	Ex Works	ECCN Number	Unit Package
	Made in Korea	Richmond, BC, Canada	EAR99	190 mm x 145 mm x 40 mm   1.4 kg

## HOW TO ORDER

### 9000SHUAIF





## MECHANICAL DIAGRAMS

