

9000SXDDS

9000 Ka-Simultaneous Dual Band PLL

EXT LNB

Frequency Bands: D: 20.2 - 21.2 GHz | 21.2 - 22.2 GHz

W/G Isolator: No

Output Connector: SMA: 50 Ohm



KEY SPECIFICATIONS

Band	Ka-Band
External Input Port	SMA Connector
External Ref Freq	10MHz, -5 to +5dBm
Input Frequency Band 1	20.20 - 21.20 GHz
Input Frequency Band 2	21.20 - 22.20 GHz
LO Frequency 1	19.25 GHz
LO Frequency 2	20.25 GHz
LO Stability	Ext Ref
LO Type	PLL
Noise Figure Max	1.8 dB
Number Of Onboard Los	Simultaneous Dual Band
Output Frequency Band 1	950 - 1950 MHz
Output Frequency Band 2	950 - 1950 MHz

RF SPECIFICATIONS

Conversion Gain Max	65 dB
Conversion Gain Min	55dB
Conversion Gain Typ	60 dB
Gain Flatness (over Any 36mhz)	1 dB p-p
Gain Flatness (over Full Band)	4 dB p-p
Image Rejection	40 dBc min.
Input VSWR	2.5 : 1 max.
Output P1db	5 dBm min.



Output VSWR 2.2 : 1 max.

ELECTRICAL SPECIFICATIONS

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

INTERFACE SPECIFICATIONS

IF Connector SMA Connector
Isolator No Isolator
RF Input Connector WR 42

ENVIRONMENTAL SPECIFICATIONS

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

PHYSICAL SPECIFICATIONS

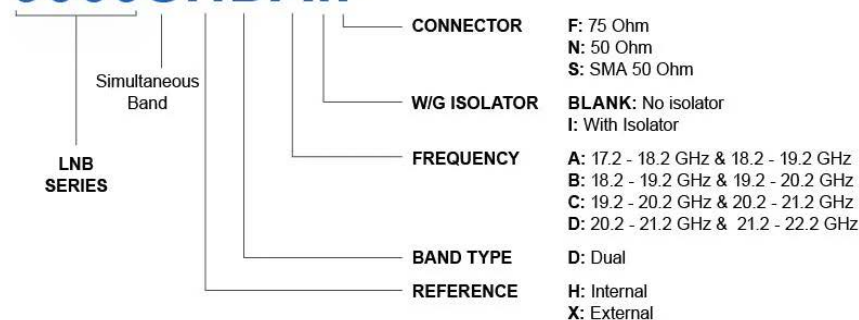
Product Height 159.2 mm
Product Length 38.4 mm
Product Weight 0.75 kg
Product Width 78.4 mm

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

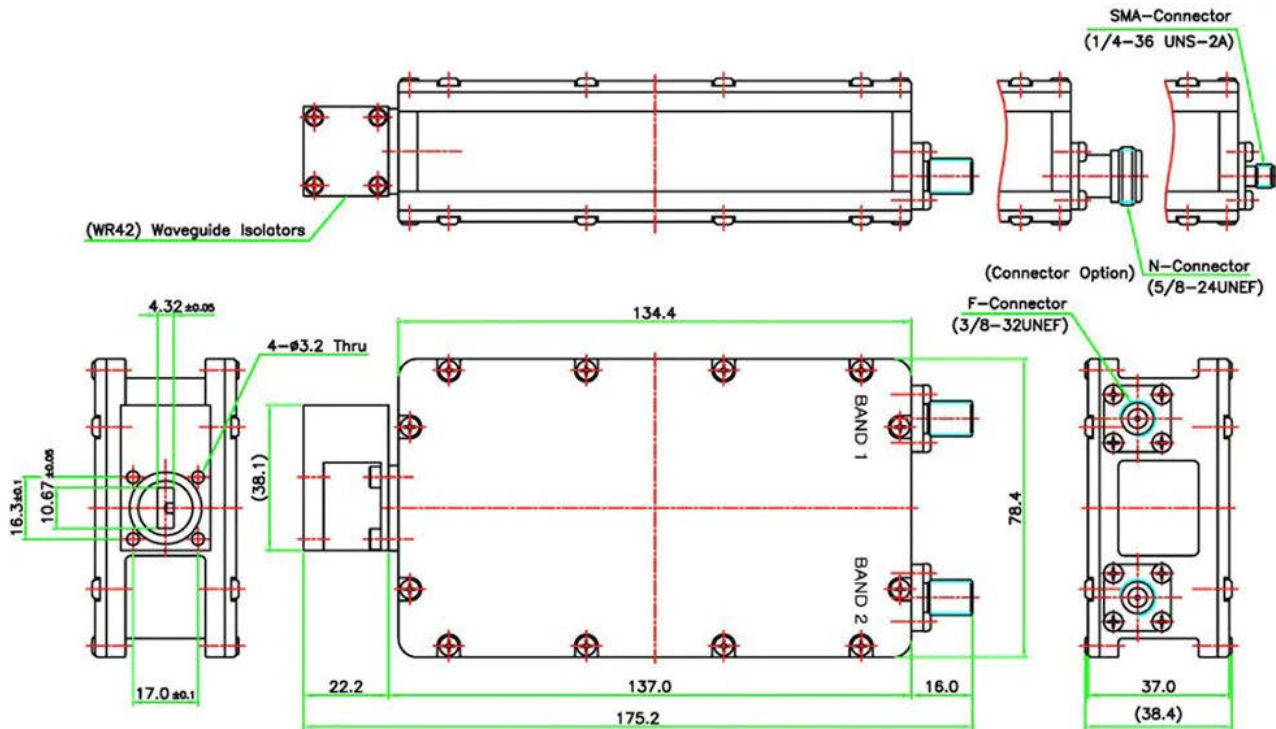


MECHANICAL DIAGRAMS



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