

9000SXDBIN

9000 Ka-Simultaneous Dual Band PLL

EXT LNB

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

W/G Isolator: Yes

Output Connector: N: 50 Ohm



KEY SPECIFICATIONS

Band	Ka-Band
External Input Port	N Connector
External Ref Freq	10MHz, -5 to +5dBm
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	PLL
Noise Figure Max	1.7 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	1.5 : 1 max.
Output P1db	5 dBm min.



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Output VSWR	2.2 : 1 max.
Phase Noise 0.1kHz Offset Max	Depends on External Reference

ELECTRICAL SPECIFICATIONS

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

INTERFACE SPECIFICATIONS

IF Connector	N-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 Korea	Richmond, BC, Canada	EAR99	160 mm x 80 mm x 40 mm 0.75 kg

HOW TO ORDER

9000SHDAIF

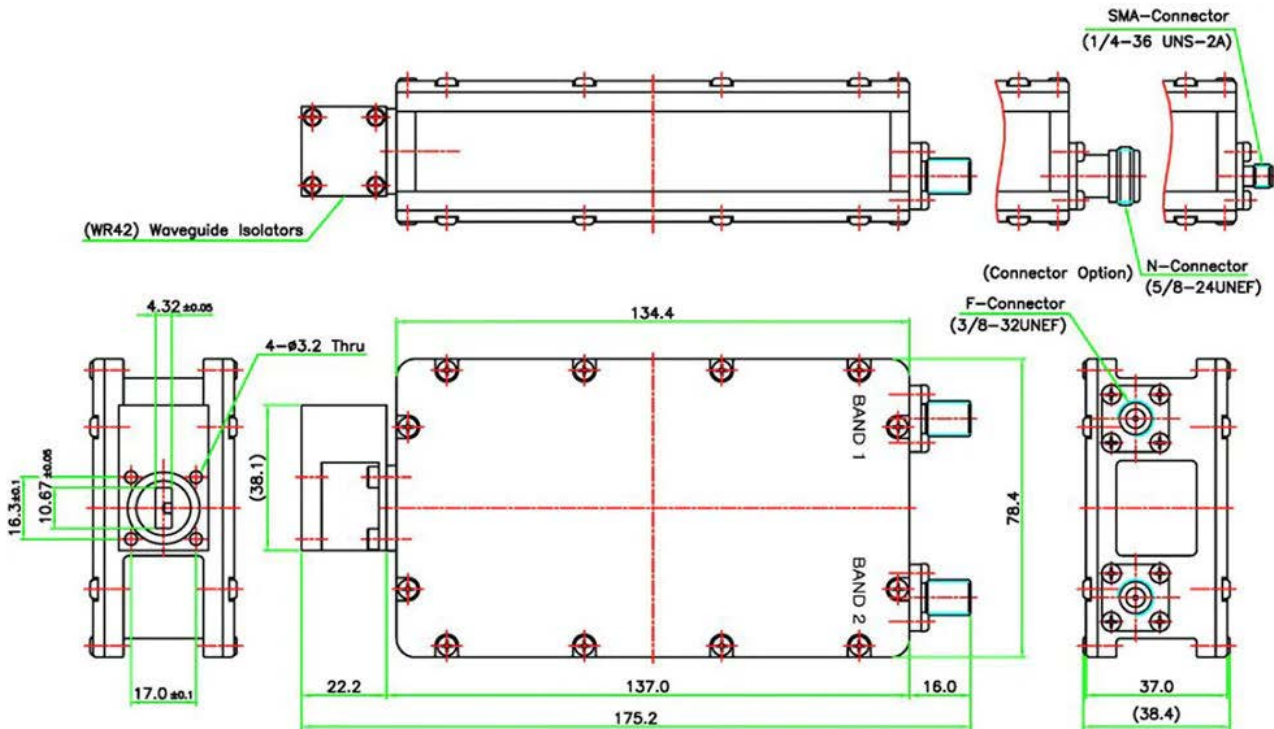
LNB SERIES	CONNECTOR	F: 75 Ohm N: 50 Ohm S: SMA 50 Ohm
Simultaneous Band	W/G ISOLATOR	BLANK: No isolator I: With Isolator
	FREQUENCY	A: 17.2 - 18.2 GHz & 18.2 - 19.2 GHz B: 18.2 - 19.2 GHz & 19.2 - 20.2 GHz C: 19.2 - 20.2 GHz & 20.2 - 21.2 GHz D: 20.2 - 21.2 GHz & 21.2 - 22.2 GHz
	BAND TYPE	D: Dual
	REFERENCE	H: Internal X: External

MECHANICAL DIAGRAMS



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