

9000SHTCIS

9000 Ka-Simultaneous Triple Band

PLL LNB

Frequency C: 19.2 - 20.2 GHz | 20.2 - 21.2 GHz | 21.2 -

Bands: 22.2 GHz

W/G Isolator: Yes

Output Connector: SMA: 50 Ohm



KEY SPECIFICATIONS

Band	Ka-Band
Input Frequency Band 1	19.20 - 20.20 GHz
Input Frequency Band 2	20.20 - 21.20 GHz
Input Frequency Band 3	21.20 - 22.20 GHz
LO Frequency 1	18.25 GHz
LO Frequency 2	19.25 GHz
LO Frequency 3	20.25 GHz
LO Stability	±10 kHz
LO Type	PLL
Noise Figure Max	1.8 dB
Number Of Onboard Los	Simultaneous Triple Band
Output Frequency Band 1	950 - 1950 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	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.
Output VSWR	2.2 : 1 max.

ELECTRICAL SPECIFICATIONS

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

INTERFACE SPECIFICATIONS

IF Connector	SMA 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	160.8 mm
Product Length	38.4 mm
Product Weight	1 kg
Product Width	108 mm

LOGISTICS SPECIFICATIONS

HS Code	Country of Origin	Ex Works	ECCN Number	Unit Package
	Made in Korea	Richmond, BC, Canada	EAR99	160 mm x 110 mm x 40 mm 1.05 kg

HOW TO ORDER

9000SHTAIF

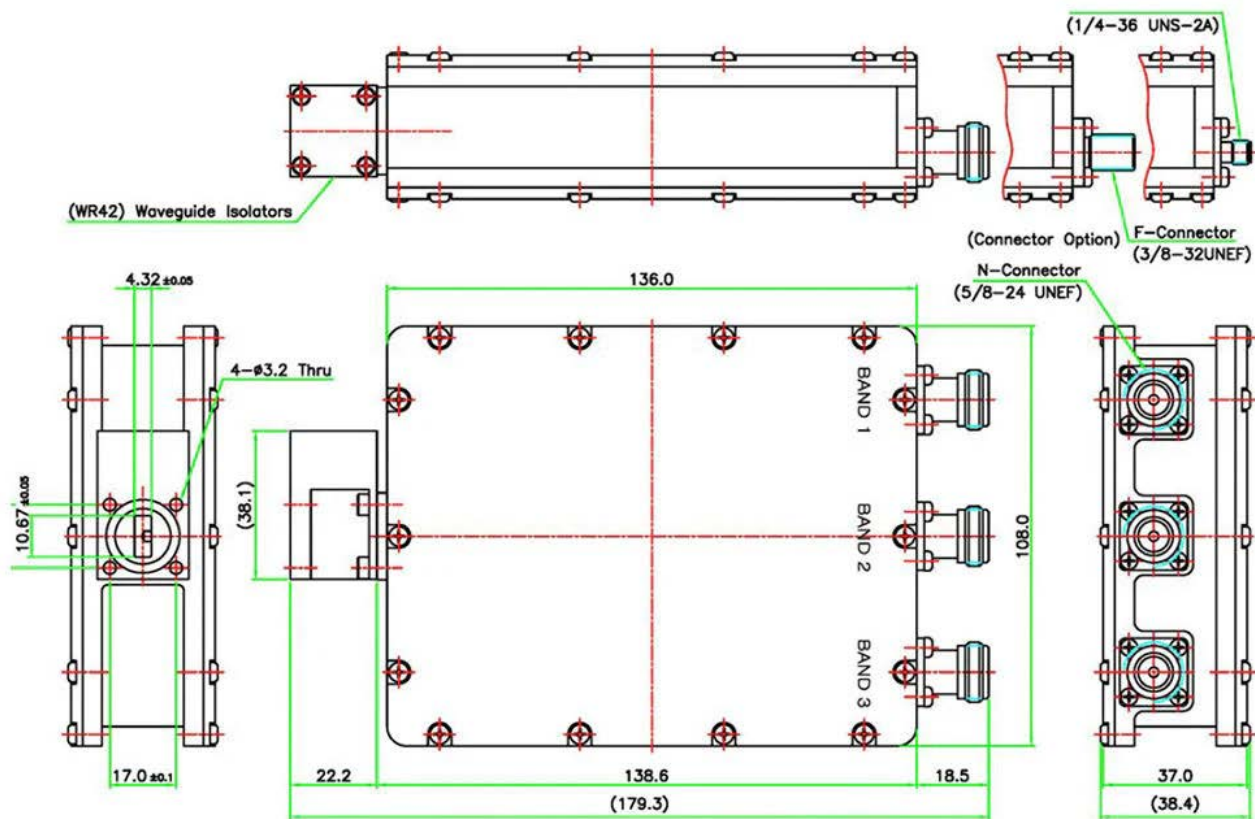
LNB SERIES	CONNECTOR	F: 75 Ohm N: 50 Ohm S: SMA 50 Ohm
Simultaneous Band	W/G ISOLATOR	BLANK: No isolator I: With Isolator
	FREQUENCY	A: 17.2 - 18.2 GHz & 18.2 - 19.2 GHz & 19.2 - 20.2 GHz B: 18.2 - 19.2 GHz & 19.2 - 20.2 GHz & 20.2 - 21.2 GHz C: 19.2 - 20.2 GHz & 20.2 - 21.2 GHz & 21.2 - 22.2 GHz
	BAND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

MECHANICAL DIAGRAMS



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