

9000SXTCIS

9000 Ka-Simultaneous Triple Band

PLL EXT 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
External Input Port	SMA Connector
External Ref Freq	10MHz, -5 to +5dBm
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	Ext Ref
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



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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

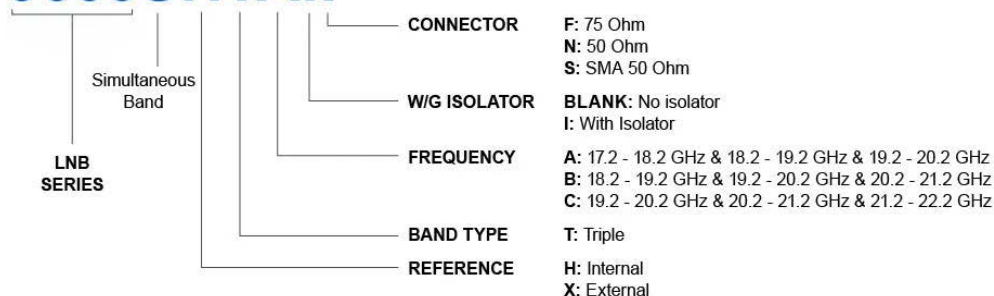
Product Height	160.8 mm
Product Length	38.4 mm
Product Weight	1 kg
Product Width	108 mm

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



MECHANICAL DIAGRAMS



Technical drawing of the WR42 Waveguide Isolators assembly, showing front, top, and side views with dimensions and labels.

Labels:

- (WR42) Waveguide Isolators
- (1/4-36 UNS-2A)
- (Connector Option) F-Connector (3/8-32UNEF)
- N-Connector (5/8-24 UNEF)
- BAND 1
- BAND 2
- BAND 3

Dimensions:

- 4.32 ± 0.05
- 10.67 ± 0.05
- 17.0 ± 0.1
- 22.2
- 136.0
- 138.6 (179.3)
- 18.5
- 37.0 (38.4)
- 38.1
- 108.0
- 4- $\phi 3.2$ Thru



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