

XT1000F

1000 X-Band Single Band EXT REF LNB

Connector: F: 75 Ohm



KEY SPECIFICATIONS

Band	X-Band
External Ref Freq	10 MHz (sine-wave), - 5 to +5 dBm
Input Frequency Band 1	7.25 - 7.75 GHz
LO Frequency 1	6.30 GHz
LO Stability	Ext Ref
LO Type	EXT
Noise Figure Max	0.8 dB
Noise Figure Typ	0.7 dB
Number Of Onboard Los	Single-Band
Output Frequency Band 1	950 - 1450 MHz

RF SPECIFICATIONS

Conversion Gain Max	62 dB
Conversion Gain Min	50 dB
Conversion Gain Typ	55 dB
Gain Flatness (over Full Band)	≤ 4 dB p-p
Input VSWR	2.3 : 1 max.
Output P1db	+ 5 dBm min.
Output VSWR	2.5 : 1 max.
Phase Noise (ssb) Max	Depends on External Reference

ELECTRICAL SPECIFICATIONS

Current Consumption	300 mA max.
Power Requirements	+12 to +24V DC

INTERFACE SPECIFICATIONS

IF Connector	F-connector 75 Ohm (waterproof)
RF Input Connector	WR-112 waveguide grooved (waterproof)

M and C SPECIFICATIONS



Led Indicators

None

ENVIRONMENTAL SPECIFICATIONS

Humidity	0 - 95%
IP Rating	IP 67
Temperature Operational	-40°C to +60°C
Temperature Storage	-50 to +70°C

PHYSICAL SPECIFICATIONS

Product Height	59 mm
Product Length	137 mm
Product Weight	0.6 kg
Product Width	70 mm

LOGISTICS SPECIFICATIONS

HS Code	Country of Origin	Ex Works	ECCN Number	Unit Package
8517690000	Made in the Republic of Korea	Richmond, BC, Canada	EAR99	137 x 70 x 59 mm

HOW TO ORDER

XT1000N

CONNECTOR

F - 75 Ohm
N - 50 Ohm

LNB SERIES #

MECHANICAL DIAGRAMS

