



EUROSATCOM
VSATECH ASSOCIÉ

LNB QUAD-BAND EXT REF 1000XU

SPECIFICATIONS

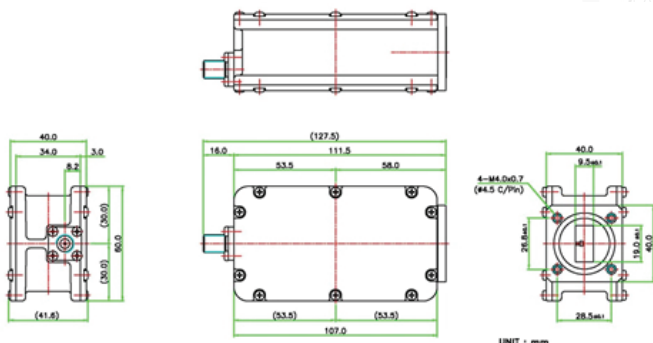
Noise Figure	0.8 dB typ. at room temp. @ CF
L.O. Stability	Phase Locked to External Reference
Phase Noise (SSB) max.	Depends on External Reference
Input VSWR	2.5 : 1 max.
Output VSWR	2.5 : 1 max.
Gain	60 dB typ., 55 dB min., 65 dB max.
Gain Flatness (over full band)	≤ 5 dB p-p
Output P1dB	+ 5 dBm min.
DC Power	+ 12V to + 24V DC (See below for Band Select)
Tone	Frequency 22 kHz ±4 kHz
	Amplitude Voltage 0.6 ± 0.2 V
	Duty Cycle 50% ±10%
Current	350 mA max.
Input (waterproof)	WR-75 waveguide grooved
Output (waterproof)	F-Connector (75 Ohm) N-Connector (50 Ohm)
Dimensions (L x W x H)	128 mm x 60 mm x 40 mm (5.04 in x 2.36 in x 1.57 in)
Weight	400 g (14.11 oz)
Operating Temperature	-40 to + 60°C
Storage Temperature	-40 to + 80°C
External Ref Freq	10 MHz (sine-wave), -5 to +5 dBm



FREQUENCY BANDS

	Band 1 (13V)	Band 2 (13V / 22 kHz Tone)	Band 3 (18V)	Band 4 (18V / 22 kHz Tone)
Frequency Band (GHz)	10.70 - 11.70	10.95 - 11.70	11.70 - 12.75	12.25 - 12.75
L.O. Frequency (GHz)	9.75	10.00	10.75	11.30
IF Frequency (MHz)	950 - 1950	950 - 1700	950-2000	950 - 1450

MECHANICAL DIAGRAM



UNIT : mm

HOW TO ORDER

1008XUF

CONNECTOR
Type F Connector (75 Ohm)
Type N Connector (50 Ohm)

EXTERNAL REFERENCE

NOISE FIGURE
08 - 0.8 dB

LNB SERIES #



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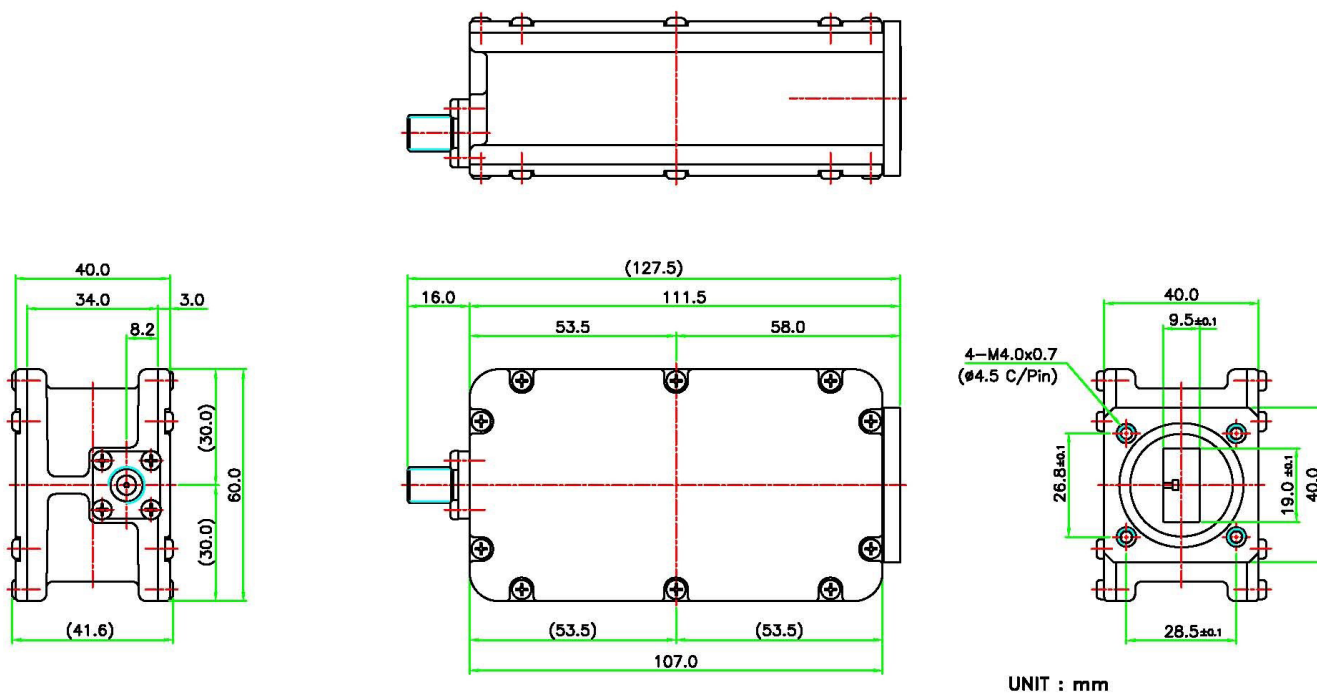




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LNB KU-BAND QUAD BAND PLL 1000HU

MECHANICAL DIAGRAM



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