

Model No: LNB-MMDS-LB - Low Noise Block Downconverter

Antenna Integrated Low Noise Block Downconverter - Low Band

Feature

- **Frequency Band 2500 – 2700 MHz with Customer selectable Low Band IF frequency**
- **Customer selectable LO frequency, 2278 MHz and others available**
- **Gain: 36+/-2 dB.**



Overview

The Trackcom Systems International Inc. LNB Down Converter electronics are broadband 2.5-2.7 GHz requiring only the choice of LO frequency for a specific Customer IF frequency output in the Low Band.

Overall Specification for MMDS LNB Down Converter – Low Band

Parameter	Description
DownConverter	Low Band
RF input frequency	2500 – 2686 MHz
IF Output	222-408 MHz (LO=2278 MHz)
Gain	34-38 dB
Gain Flatness	1.5 dB or 0.25dB/6MHz channel
Noise Figure	1.5dB
OP1	14 dBm
Image rejection	≥ 50 dB
PCS rejection	≥ 100 dB
WCS rejection	≥ 50dBc
LO Leakage RF-port	<-75 dBm
LO Leakage IF-port	≤ -50 dBm

LO Phase Noise:	
@ 100Hz	-80dBc
@ 1KHz	-92 dBc
@10KHz	-93 dBc
@100KHz	-95 dBc
@1 MHz	-120 dBc
LO Stability	< +/-30KHz (-40°C to 70°C)
IF Output Impedance	75 Ohms
Spurious in IF band	<-100 dBm
DC Input voltage	12V to 24V
Output VSWR	1.5:1
Environmental Operating	-40°C to 70°C
Environmental Storage	-40°C to 80°C
Physical Dimensions	160x86x50.6 mm

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