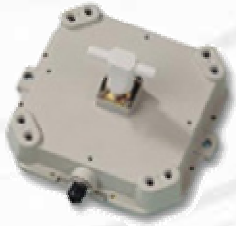


The *OmniLynx* **OTDC-100 & OTDC-200** MMDS downconverters



Field-tested in extreme conditions, the OTDC-100 has been proven to filter out all types of airport and weather radar including ASR (Airport Surveillance Radar), Doppler & NEXRAD (Next Generation Radar System).



The OTDC-200 filters out PCS and WCS interferences. It is digital ready and meets 256 QAM standard.

- Gain options: 18, 30, and 37 dB.
- LO options: 2278 MHz or per request.
- Noise figure: 1.5 dB.
- NTSC, PAL, and SECAM compatible.

Antenna options



Corner reflector
12 dBi gain



Yagi antenna
17 dBi gain



Mesh antenna
18/21/24 dBi gain



OTDC-100 & OTDC-200

MMDS downconverters

Technical Specifications

<i>Model</i>	<i>OTDC-100</i>	<i>OTDC-200</i>
Gain options	18/30/37 dB	18/30/37 dB
Input frequency	2150-2162 MHz 2500-2686 MHz	2500-2686 MHz
Output frequency	116-128 MHz 222-408 MHz	222-408 MHz
Gain Stability over temperature	+/- 2 dB	+/- 2 dB
Gain Flatness	+/- 0.1dB @ 6 MHz +/- 1.5dB @ 116~128 MHz +/- 1.5dB @ 222~408 MHz +/- 1.5dB @ whole band	+/- 0.1dB @ 6 MHz +/- 1.5dB @ 222~408 MHz
Noise figure over temp. range	2.5 dB +/-0.5dB max	1.5 dB +/-0.5dB max
LO frequency	2278 MHz (other available)	2278 MHz (other available)
LO frequency stability	+/- 25KHz over temp.	+/- 25KHz over temp.
LO phase noise	-92dBc/Hz @ 10KHz -99dBC/Hz @ 100 KHz	-92dBc/Hz @ 10KHz -99dBC/Hz @ 100 KHz
LO leakage IF port	<-45dBm	<-45dBm
LO leakage antenna port	<-60dBm	<-60dBm
Image rejection	>80dB	>80dB
IF rejection	>80dB	>80dB
PCS rejection	>100dB	>100dB
Spurious in IF band	<-100dBm	<-100dBm
Output impedance	75 ohms	75 ohms
Output connector	F-type female	F-type female
Supply voltage	+15VDC to +24VDC	+15VDC to +24VDC
Supply Current	170 mA max	170 mA max
Temperature	-40°C to +70°C	-40°C to +70°C
Humidity	100% weatherproof	100% weatherproof
Lightning protection	Meets or exceeds IEEE specifications	Meets or exceeds IEEE specifications

Note: Typical value @ 25°C, unless otherwise specified
Technical specifications are subject to change without prior notice

Accessories options:

Antenna: Corner reflector Mounting Bracket (12dBi)
Yagi antenna (17 dBi)
Mesh antenna (18 dBi, 21 dBi, 24 dBi)

Power supply: 110V/220V adapter & inserter



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