

Model No: XCVR-MMDS-WCS - **Antenna Integrated Transceiver**

MMDS-WCS Antenna integrated Transceiver

Feature

- **Wide Frequency Band for up/down Converters covering 2100 – 2700 MHz**
- **One Transceiver Covers the MDS,WCS and MMDS bands with the choice of diplexer**
- **Choice of integrated antenna 10 or 16 dBi**
- **Standard IF input and output frequency**
- **Gain can be set from 18-40 dB.**



Overview

The Trackcom Systems International Inc. Transceiver electronics are broadband 2.1-2.7 GHz requiring only the choice of diplexer to be specified. Module is fully integrated with a broadband flat panel antenna.

Overall Specification for MMDS-MDS Transceiver

Parameter	Description
DOWNSTREAM	
RF input frequency	2500 – 2686 MHz
IF Output	222-408 MHz
Gain	26-30 dBi
Gain Flatness	+/-2 dB
Noise Figure	3.5dB
OIP3	30 dBm
PCS rejection	>90 dB
WCS rejection	NA

In band Spurious	<-75 dBm
UPSTREAM	
IF Input	28.0625-48.0625 MHz
RF Output	2305-2325 MHz
Gain	-24-30dB
Gain Flatness	+/-1.5 dB
Output P1dB	27 dBm
Output Spurious @ Ptx=25 dBm	<-56 dBc
GENERAL	
Phase noise	0.5° rms (100 Hz to 1 MHz) both LOs
LO Leakage @ RF and IF ports	<-50 dBm
LO Frequency Stability	15 KHz
If Interface	F-Type, 75 Ohms
RF Interface	SMA-F or N-Type (when Antenna is not chosen)
Input/Output VSWR	2.5:1
DC Consumption (15-24 VDC)	6 Watt max.
Environmental	-35°C to 65°C
Physical Dimensions	280x215x100 mm

©2007 Trackcom Systems. All rights reserved. Trackcom Systems and logo are registered trademarks of Trackcom Systems Inc. All other trademarks are the property of their respective owners