

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

MMDS-MMDS 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 – 2606 MHz
IF Output	222-324 MHz
Gain	26-30 dBi
Gain Flatness	+/-2 dB
Noise Figure	4.5dB
OIP3	30 dBm
PCS rejection	>90 dB
WCS rejection	>70 dB

In band Spurious	<-75 dBm
UPSTREAM	
IF Input	23-65 MHz
RF Output	2644-2686 MHz
Gain	-24-30dB
Gain Flatness	+/-1.5 dB
Output P1dB	27 dBm
Output Spurious @ Ptx=25 dBm	<-60 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

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