

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

### MMDS-MDS 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
<b>DOWNSTREAM</b>	
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	>70dB

In band Spurious	<-80 dBm
<b>UPSTREAM</b>	
IF Input	14.375-26.375 MHz
RF Output	2150-2162 MHz
Gain	-22-26 dB
Gain Flatness	+/-1.0 dB
Output P1dB	27 dBm
Output Spurious @ Ptx=25 dBm	<-60 dBc
<b>GENERAL</b>	
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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