

MVDS System



MVDS Rev.2K7

GENERAL DESCRIPTION

The MVDS System (Microwave Video Distribution System) consists of the conversion of the total L-band into a microwave satellite diffusion band (11.7-12.7 GHz). The high quality and the maintained low power output are made possible thanks to the use of the high gain of the omni directional antennas, sectorial antennas for transmission, and the traditional parabolas for satellite reception, the high linearity of the final RF stages and the good sensibility of the satellite LNB. A point-to-point version is also available in the band 14-15 GHz; this second solution provides the realization of various intermediate hops useful for large area coverage.

Many additional accessories are available for these models: L band generators, L band combiners and optional control units can be used to increase the performances of the system.

Please refer to back page for a block diagram of each systems.

FEATURES

- L band input signal
- Transmission in the diffusion band 11.7-12.7 GHz
- Transmission and reception in the range 14-15 GHz
- Additional accessories available: control units, L band generators and combiners



SPECIFICATIONS

General:

Centre frequency: 11.7 to 12.7 GHz
14 to 15 GHz

Transmitter:

RF Output Power: MVDS/12 8W
MVDS/14 5W

RF Output Connector: MVDS/12 IEC PBR 120
MVDS/14 IEC PBR 120

L Band Input Connector: Female N-type

Environmental:

Operating Temperature Range: -10 to 65°C

Relative Humidity: 0 to 95% non condensing

Receiver:

RF Input Connector: MVDS/14 IEC PBR 120

L Band Output Connector: Female N-type

Mechanical:

Cabinet Weatherproof RF Head

Dimensions: Width 168 mm
Height 260 mm
Depth 366 mm

Compliance:

CE Mark

APPLICATIONS

