

TMD2214-W / TMD2214-R

Very Low Noise Frequency Amplifier and Distributor

Functions

TMD2214 product family amplifies and distributes very low noise 5 MHz or 10MHz signals

- The equipment is a rackable drawer 1U, 19 inches
- It can distribute very low noise signals with the W option
 - 1Hz :-110 dBc/Hz,
 - 10Hz :-135 dBc/Hz,
 - 100Hz :-150 dBc/Hz,
 - 1KHz :-160dBc/Hz,
 - ≥ 10 KHz :-167 dBc/Hz)
- It goes from 10 to 16 outputs:
- Output Isolation $>- 50$ dB
- Harmonics <-30 dB

For very low noise concerns, there is no remote control and no alarm management.

Redundant input options

The equipment allows automated switching between two 10 MHz frequency sources, amplification and distribution of these frequencies

- On the front panel, 2 groups of 3 LEDs, combined with 2 push buttons allow to:
- Select the mode: Automatic or Manual
- Select the source in manual mode: Source A or Source B
- Indicate the selected source
- Indicate the status of the source

Remote monitoring and control are done via an Ethernet 10/100 Mbit/s connection using either HTTP or a proprietary UDP protocol. It provides the equipment status and can select the mode of operation.

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Characteristics

- Input level: +13 ±2 dBm
- Output level: +13 ±2 dBm over 50 Ω
- Output/Input gain is 1 by default. It can be adjusted in factory when specified within the order.
- Connectors are located at the back of the equipment
- Connectors are BNC type not isolated
- 230V AC Power supply, CEE 2P + T socket with mains filter, ON/OFF switch, Voltage: 85-264 VAC / 47-440Hz
- Power consumption: <20W to 230VAC over 50 Hz per power supply
- Weight: 3 Kg
- MTBF: 100 000 h with one power supply, 150 000 h with thow power supplies
- Certification with EU, ROHS et ITAR free

Order Codes

TMD2214 -W -10: Very low noise, 10 outputs

TMD2214 -R -W -10: Very low noise, 2 inputs, 10 outputs

TMD2214 -R -W -16: Very low noise, 2 inputs, 16 outputs

OPTION 5MHz



Front and Back face



Back face TMD2214 -R -W -16