

TMD2313

10MHz

Frequency Low

Noise Switch,

Amplifier and

Distributor

The TMD2313 equipment provides switching between two 10 MHz frequency sources, amplification and distribution of these frequencies

The internal amplifiers ensure a very low phase noise

The equipment is in the form of a rack shelf 19 inches high 1U

This model has 12 independent outputs with the following characteristics:

- Isolation between channels > - 50 dB
- Harmonics <-30 dB
- Phase Noise <-162 dB

Operations

On the front panel, 2 groups of 3 LEDs, combined with 2 push buttons allow:

- Selects the mode:
Automatic or Manual
- Selects source in manual mode
Source A or Source B
- Indicates the source chosen
- Indicates the status of the source

Remote control

Remote control is done via Ethernet connection /IP 10/100 Mbit/s or via http protocol which makes it possible to obtain information on the state of the equipment:

- Operating mode
- Track status
- Channel selection



TMD2313 front panel

Specifications

Inputs

Both inputs accept level signals from +10 to +13 dBm \pm 1 dBm

Outputs

The outputs provide a maximum level of +13 \pm 2 dBm on a 50 Ohm load on the 12 available outputs

The input / output ratio is 1

The outputs are not isolated

Switching

The time to detect a fault on an input is \leq 40ms

The switching time is \leq 50ms

Redundant AC power

2 x 230V AC Power supply

CEE 2P + T socket with mains filter,

M / A switch

Voltage: 85-264VAC / 47-440Hz

Power consumption: <20W to 230VAC over 50 Hz per power supply

Connections

The input and output signals are done via the rear panel of the equipment

The connectors for the two inputs and the 12 outputs are non-insulated SMA Female type

The remote control connector is an RJ45 type

Temperature

Operating temperature: -10 ° to 60 ° C

Storage temperature: -20 ° to 70 ° C

Operating relative humidity: 10% to 90% (non-condensing)

Storage relative humidity: 5% to 95% (non-condensing)

Dimensions

Rack 1U 19'' depth 320 mm

Weight

< 3.5 Kg with the 2 AC power cables

MTBF

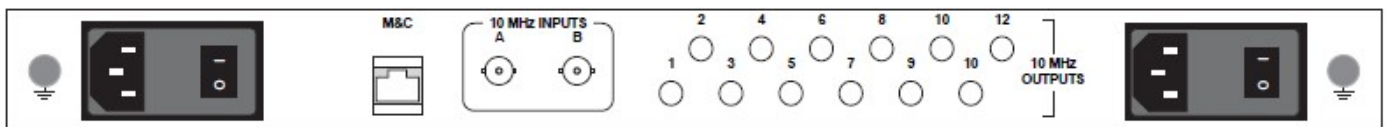
TMD2313 : > 150 000h

Consummation:

< 20 W

Certification

Certification with EU, ROHS et ITAR free



TMD2313 rear panel

Ordering Code:

TMD2313: standard model

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