

Digital multiplexer/demultiplexer DMD V108

Introduction and key features

The DMD V108 Digital Multiplexer/Demultiplexer allows to connect an electrical signal from any selected input to any selected output(s). There are 8 inputs and 8 outputs at the user's disposal. The device is intended primarily for splitting time and frequency signals, in particular with standard values of 10 MHz, 5 MHz as well as 1PPS (Pulse Per Second), from reference clock sources with high stability.

The trigger threshold for input signals can be adjusted in the range from -5 V to +5 V. The device's advantages also include a low level of internal noise (timing jitter < 5 ps) and negligible differences in delays of signals distributed between any inputs and outputs (< 500 ps).



Specifications

- Number of inputs 8
- Number of outputs 8
- Timing jitter < 5 ps
- Delay < 20 ns
- Spread of delays between different pairs of input – output < 500 ps

