Full Fan-Out Matrix Switch – MAS2184
V/UHF (20 – 3000 MHz)

EUROSATCOM
VSATECH ASSOCIÉ

novotronik offers a switching system which performs from 20 to 3000 MHz.

It is configured as a full fan-out non-blocking switch matrix, allowing any output to select any input.

The MAS2184 supports 8 antennas and 18 receivers.

TECHNICAL DATA @ 25°C

Part No.	1400377
Number of inputs	8
Number of outputs	18
Architecture	non-blocking, full-fan out
Frequency range [MHz]	20 – 3000
Gain [dB]	1 ± 2.0
Flatness [dB]	± 2.5 max.
Noise Figure [dB]	12 max.
OPIP3 [dBm]	+12 min., +14 typ.
OPIP2 [dBm]	+32 min.
Isolation [dB]	
out/out	30 typ. (same input)
out/in	40 min.
on/off	40 min., 50 typ.
Crosstalk [dB]	35 min.
VSWR	2.0:1 max.
Input pwr [dBm]	
non destructive	+27 max., with integrated limiter
Impedance [Ω]	50
Connectors	
Input	N female
Output	SMA female
Switching elements	solid-state switches
Remote control	RJ45 Ethernet port 10/100 Base T., TCP/IP & UDP, RS-232 integrated webserver for unit control & monitoring
Power supply [Vac, Hz]	115/230, 50/60, power switch at rear side
Temperature range	
Operating	0 ... +40
Storage	-10 ... +60
Colour	Front panel: RAL7016
Attached hardware	Power cords Operating manual
Dimensions [mm] (wxhxd)	19" drawer, 6 RU, depth approx. 440

FEATURES

- Single power supply
- Non-switched in- and outputs internally loaded
- Shut-down of unused amps
- Permanent monitoring of temperature, fans and modules
- Ins/outs equipped with DC-blocking capacitors

DESCRIPTION

Hot-swap switchboard modules allow superior supportability and easy maintenance. The use of high-quality HF parts and solid-state switching elements guarantee the highest signal performance.

The MAS2184 supports remote control. Routings can be monitored and changed, the status of a lot of parameters can be verified. All inputs and outputs are provided at the rear of the rack utilising N/SMA-type connectors.

APPLICATIONS

The MAS2184 is designed for a long-term installation at fixed-site radio stations.