Full Fan-Out Matrix Switch – MAS4870
IF (470 – 970 MHz)

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novotronik offers a switching system which performs from 470 to 970 MHz. It is configured as a full fan-out non-blocking switch matrix, allowing any output to select any input.

The MAS4870 supports up to 16 antennas and 16 receivers.

(image for reference only)

TECHNICAL DATA @ 25°C

Part No.	1400387
Number of inputs	16
Number of outputs	16
Architecture	non-blocking, full-fan out
Frequency range	470 – 970
Gain [dB]	1 ± 1
Flatness [dB]	± 2.0 max., ± 1.5 typ.
Noise Figure [dB]	18 max.
OPIP3 [dBm]	+10 min.
OPIP2 [dBm]	+20 min.
Isolation [dB]	
out/out	40 min. (same I/P) 60 min. (different I/P)
on/off	60 min.
Crosstalk	50 typ.
VSWR	1.7:1 max.
Input pwr [dBm]	
non destructive	+5 max.
P 1dB compression [dBm]	0 min., at output
Impedance [Ω]	50
Connectors	N female
Local control	touch display, front panel
Remote control	RJ45 Ethernet port 10/100 Base T., TCP/IP, UDP RS-232, web server for unit control & monitoring
Power supply (Vac, Hz)	115/230, 50/60
AC consumption [VA]	Indoor use only
Temperature range	
Operating	0 ... +40, forced air cooling recommended
Colour	Front panel: RAL7032
Attached hardware	Power cord, operating manual, test certifacte
Dimensions [mm] (wxhxd)	19" subrack with 3 RU, depth about 480

FEATURES

- Redundant power supply
- Non-switched in- and outputs internally loaded
- Permanent monitoring of temperature and modules

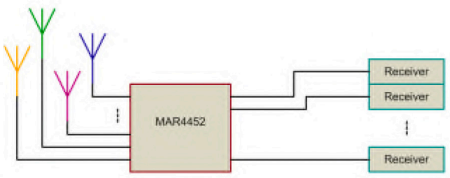
DESCRIPTION

The use of high-quality HF parts and solid-state switching elements guarantee the highest signal performance.

The MAS4870 supports local and 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 type connectors.

APPLICATIONS

The MAS4870 is designed for a long-term installation at fixed test labs.



Version du 13.03.2023