



EUROSATCOM
VSATECH ASSOCIÉ

Full Fan-Out Matrix Switch

MAS4454

HF/VHF/UHF/L-Band/S-Band(20-3000MHz)

The MAS4454 is configured as a full fan-out non-blocking switch matrix. Each input is split to all output switches.

This allows to select the input signal to be seen on each output. The obvious upside is its great switching flexibility.



TECHNICAL DATA

Type No. 1400156

Number of inputs	4
Number of outputs	4
Architecture	Non-blocking, full-fan out Semiconductor switches
Frequency range	20 – 3000 MHz
Gain (dB)	1 ± 1.0
Flatness (dB)	± 1 typ., ± 1.5 dB max.
Noise Figure (dB)	13 typ., 15 max.
OPIP3 (dBm)	15 min.
OPIP2 (dBm)	30 min.
Isolation (dB)	
out/in	50 min.
on/off	50 min.
Crosstalk (dB)	45 min., 55 typ.
VSWR	
Input	1.6:1 typ., 2.0:1 max.
Output	1.6:1 typ., 2.0:1 max.
Input pwr (dBm)	
non destructive	+13 max. CW
Impedance (Ω)	50
Connectors	
Input	SMA female
Output	SMA female
Local control	Keyboard (2 x 4 push buttons with built in LEDs) front panel
Remote control	RJ45 Ethernet port 10/100 Base T. TCP/IP & UDP, SNMP , GUI (browser interface)
Power supply	80-264 V AC (47-63 Hz)
AC consumption	30VA max.
Temperature range	Indoor use only
Operating	0 ... + 40°C
Storage	-10 ... +60°C
Colour	Front panel: RAL7021
Attached hardware	Power cord Operating manual
Dimensions	483mm x 44mm x 360mm (19" drawer, 1U)

Weight 5 kg

FEATURES

- Redundant power supply
- Non-switched in- and outputs internally loaded
- Shut-down of unused amps
- Permanent monitoring of temperature and modules
- SNMP (protocol version 1)

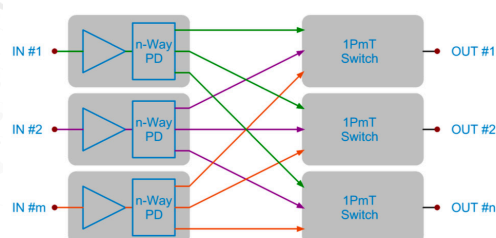
OPTIONS

- Single power supply

DESCRIPTION

The MAS4454 operates over a wide frequency band from 20 MHz to 3 GHz and is perfectly suitable for a wide variety of RF applications.

The system supports come with Ethernet control interface, allowing setup flexibility and easy remote test management.



APPLICATIONS

- Communication satellites & Teleports
- Mobile Marine Satcom
- Radar applications
- Test laboratories
- Development centers
- ATE stations



EUROSATCOM
VSATECH ASSOCIÉ

3 avenue du Canada, bât. Zeta, 91940 Les Ulis, France

+33 1 69 18 19 30

www.eurosatcom.eu

sales@eurosatcom.eu

