



Full Fan-Out Matrix Switch

MAR4511

UHF / L-, S-, C-, X-, Ku-Band (0.5 – 18 GHz)

The MAR4511 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. 1400359

Number of inputs	4
Number of outputs	4
Architecture	Non-blocking, full-fan out Switching: small signal relays
Frequency range	0.5 – 18 GHz
Gain (dB)	3 dB min., 6 dB typ.
Flatness (dB)	± 1.7 typ., ± 3.0 dB max. (full band)
Noise Figure (dB)	10 dB max.
OPIP3 (dBm)	+10 dBm min.
Isolation (dB)	15 dB min., 18 dB typ. out/out 50 dB min., 60 dB typ. out/in
VSWR	Input 1.8:1 typ., 2.0:1 max. Output 1.8:1 typ., 2.0:1 max.
Output pwr (dBm)	0 dBm min., +2 dBm typ. @ 1dB compr.
Input pwr (dBm)	+6 dBm CW max. non destructive
Relay	Life (per position) 2 million cycles
Impedance (Ω)	50
Connectors	Input SMA female Output SMA female
Local control	LC display and keyboard, front panel
Remote control	RJ45 Ethernet port 10/100 Base T. TCP/IP & UDP, GUI (browser interface) RS-232/422/485 interface (selectable)
Power supply	115/230 V AC (50/60 Hz)
AC consumption	80VA max. (per phase)
Temperature range	Indoor use only
Operating	0 ... + 40°C
Storage	-10 ... +60°C



Colour	Front panel: RAL7032
Attached hardware	Power cord Operating manual
Dimensions (WxHxD)	483mm x 133mm x 480mm (19" drawer, 3U)
Weight	9 kg

FEATURES

- Redundant power supply
- Permanent monitoring of internal temperature, operating voltages, modules and switch positions

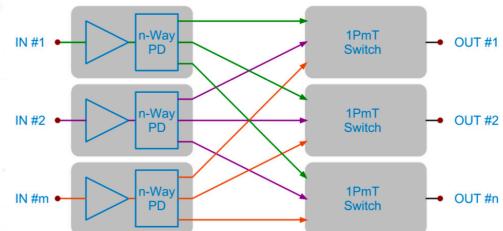
OPTIONS

- Single power supply
- SNMP (protocol version 1)

DESCRIPTION

The MAR4511 operates over a wide frequency band from 0.5GHz to 18 GHz and is perfectly suitable for a wide variety of RF applications.

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



APPLICATIONS

- Microwave signals: Communications downlinks
- Test laboratories
- ATE stations
- Development centers

