The MAS4477 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. 1400360
- **Number of inputs**: 8
- **Number of outputs**: 8
- **Architecture**: Non-blocking, full-fan out Semiconductor switches
- **Frequency range**: 950 - 2150 MHz
- **Gain (dB)**: 1 ± 1.0
- **Flatness (dB)**: ± 1.5 max.
- **Noise Figure (dB)**: 13 max.
- **OPIP3 (dBm)**: 8 min.
- **OPIP2 (dBm)**: 20 min.
- **Isolation (dB) out/in**: 60 min.
- **Isolation (dB) out/out**: 40 min.
- **Isolation (dB) on/off**: 50 min.
- **Crosstalk (dB)**: 50 min.
- **VSWR**: Input 1.6:1 typ., 1.8:1 max.
- **VSWR**: Output 1.6:1 typ., 1.8:1 max.
- **Output pwr (dBm) @ 1 dB compr.**: ± 5 typ.
- **Input pwr (dBm) non-destructive**: +13 max. CW
- **Impedance (Ω)**: 50

#### Connectors
- **Input**: SMA female
- **Output**: SMA female

#### Control
- **Local control**: LC display and keyboard, front panel
- **Remote control**: RJ45 Ethernet port 10/100 Base T, TCP/IP & UDP, SNMP, GUI (browser interface)

#### Power supply
- **Input**: 80-264 V AC (47-63 Hz)
- **AC consumption**: 70VA max.

#### Operating conditions
- **Temperature range**: Indoor use only
  - Operating: 0 °C ... +40 °C
  - Storage: -10 °C ... +60 °C
- **Colour**: Front panel: RAL7021

#### Enumerated features
- **Weight**: 6 kg
- **Dimensions (WxHxD)**: 483mm x 44mm x 360mm (19" drawer, 1U)

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

### OPTIONS
- Single power supply

### DESCRIPTION
The MAS4477 operates over a frequency band from 950 MHz to 2150 MHz and is perfectly suitable for a wide variety of L-Band applications. The system supports come with Ethernet control interface, allowing setup flexibility and easy remote test management.

### APPLICATIONS
- PCS
- Communication satellites & Teleports
- Defense communications
- Radar applications
- Aeronautical communications
- Fiber optic driver
- ATE stations