

# Switching unit IF L-band 1x16 GTS7010



This switching unit is used for the switching of 16 RF signals in the frequency range 1...3000 MHz to one output.  
The non-switched inputs are internally terminated.

## Design

The unit is housed in a 19" subrack with very good RF shielding and consists of the following sub-assemblies:

- relay switch SP16T
- control logic
- LAN interface
- manual control with LCD and cursor pushbuttons

All the necessary signal and power supply connections as well as the mains switches are provided at the rear.

## Control

The unit is controlled via a LAN and a serial interface. The integrated webserver allows the unit configuration, shows status information and obtain trouble shooting information.

## Special features

The unit is constructed using a modular approach utilising plug-in sub-assemblies which enable ease of installation and maintenance.

<b>Technical data</b>	measured a 25° C
Model number:	GTS7010
Item number:	1200204
Configuration:	1 switch SP16T
<b>RF specifications</b>	
Impedance (Ohm):	50
Frequency range (MHz):	1...3000
Insertion loss (dB):	5.0 max.
VSWR:	1.8 : 1 max.
Isolation (dB):	
On/off	50 min.
In/in	40 min.
Input power (dBm):	+20 CW max.
Switching time (ms):	15 max.
Switching elements:	relays
<b>Further specifications</b>	
Control:	LAN
Manual control:	LCD & cursor pushbuttons
RF connectors:	SMA female
Power supply (Vac, Hz):	80...264, 47...63
Connector	3-pin, with mains filter & fuses
Mains switch:	integrated in the power supply
Temperature range (°C):	
Operating	0...50
EMC:	in accordance to Eur. standard EN 61000-6-1 & EN 61000-6-3
Dimensions:	
Height (RU)	1
Width (inch)	19
Depth (mm)	about 380 (without connectors & handles)
Front panel:	
Front view	painted (RAL7021)

Designed & produced by NOVOTORNIK GmbH

