



This switching unit is required for redundancy switching of uplink signals in the frequency DC...18 GHz.

Design

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

- relays DPDT
- control logic
- power supply module
- LAN and serial interface
- manual control via mimic panel

All the necessary signal, power supply and earthing connections are provided at the rear. The mains switch is located on the front panel.

Control

The unit is controlled via a LAN and a serial interface.

Special features

The I/O boards are monitored in a processor routine. A status string can also be requested at any time via the control interface.

The unit is constructed using a modular approach utilising 19" plug-in sub-assemblies which enable ease of installation and maintenance.

Technical data	measured at 25° C
Model number:	GTS0118
Item number:	1200179
Configuration:	8 switches DPDT
RF specifications	
Impedance (Ohm):	50
Frequency range (GHz):	DC...18
DPDT	
Insertion loss (dB):	0.5 max.
VSWR:	1.5 : 1
Isolation (dB):	
On/off	80 min.
Out/out	80 min.
Switching time (ms):	30 max., without PC time
Switching cycles (Mill.):	2.5
Further specifications	
Control:	LAN and serial
Signal connectors:	SMA female
Power supply (Vac, Hz):	95...264, 47...63
Connector	3-pin, with mains filter & fuses with integrated lamp
Mains switch:	
Temperature range (°C):	
Operating	0...50
EMC:	in accordance to Eur. standard EN 61000-6-1 & EN 61000-6-3
Dimensions:	
Height (RU)	3
Width (inch)	19
Depth (mm)	about 360 (without connectors & handles)
Front panel:	
Front view	painted (RAL7032)