



This switching unit is used for the switching of RF signals in the frequency range 1...2150 MHz. These units are used in satellite ground stations.

Design

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

- relays SPDT
- control logic
- redundant power supply modules
- LAN interface
- manual control

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

Control

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

Special features

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

Technical data		measured a 25° C
Model number:	GTS5533	
Item number:	1200192	
Configuration:	4 switches SPDT with termination	
RF specifications		
Impedance (Ohm):	50 Specifications SPDT	
Frequency range (MHz):	1...2150	
Insertion loss (dB):	0.8 max.	
VSWR:	1.4 : 1 max.	
Isolation (dB):	50 min.	
Input level (dBm):	20 max.	
Switching cycles (Mill.):	5 min.	
Further specifications		
Control:	LAN	
Manual control:	4 times 2 push buttons	
RF connectors:	SMA female, 50 Ohm	
Power supply (Vac, Hz):	85...264, 47...440, redundant	
Connector	3-pin, with mains filter & fuses	
Mains switches:	with integrated lamp	
Temperature range (°C):		
Operating	0...40	
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 (RAL7032)	