



This switching unit is required for redundancy switching of TV uplink signals in the frequency 70 MHz.

Design

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

- relay SPDT/SP9T
- control logic
- power supply module
- RS-232 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 the RS-232 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:	GTS0752
Item number:	(will be assigned after order)
Configuration:	9 switches SPDT with termination 1 switch SP9T
RF specifications	
Impedance (Ohm):	75
Frequency range (MHz):	DC...100
SPDT	
Insertion loss (dB):	0.4 max.
Isolation (dB):	80 min.
Return loss (dB):	20 min. at 70 MHz
SPDT switched to collector switch	
Insertion loss (dB):	0.4 max.
Isolation (dB):	80 min.
Return loss (dB):	18 min. at 70 MHz
Input power (dBm):	-50...8
Crosstalk:	80 min. at 70 MHz
Switching elements:	latching relays
Further specifications	
Control:	RS-232
Signal connectors:	BNC female, 75 Ohm
Power supply (Vac, Hz):	195...264, 47...63
Connector	3-pin, with mains filter & fuses
Mains switch:	with integrated lamp
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)