



This switching unit will be used for the switching of RF signals in the frequency range DC...18 GHz.

Applications

Test bench

Design

The unit is housed in a 19" subrack with very good RF shielding.

All signal connectors will be provided on the front panel.

The mains switch and the power supply connections are located at the rear.

Features

- SMA connectors, female
- LAN interface
- webserver for units control and monitoring
- power supply units
- odometer (tracking of relay life cycles)
- simple installation and maintenance

Option

- software SCPI

Technical data	measured a 25° C
Model number:	GTS7080
Item number:	(will be assigned after order)
Configuration:	4 switches SP8T, with termination
RF specifications	
Impedance (Ohm):	50
Frequency range (GHz):	Relay specifications at 18 GHz DC...18
Insertion loss (dB):	0.6 max.
VSWR:	1.6 : 1 max.
Isolation (dB):	60 min.
Repeatability (dB):	0.03 typ.
Average power (W):	100 max. , cold switching! 1 max. per termination
Switching time (ms):	15 max. without PC time
Switching cycles (Mill.):	2 min. per position
Switching elements:	failsafe relays, "broke before make"
Further specifications	
Control:	LAN
RF connectors:	SMA female, at front panel
Power supply (Vac, Hz):	115/230, 50/60
Connector	3-pin, with mains filter & fuses integrated in the power supply
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)	2
Width (inch)	19
Depth (mm)	about 380 (without connectors & handles)
Front panel:	
Front view	painted (RAL7021)

