



The switching unit is used in the test department for the processor controlled switching of RF signals in the frequency range DC...18 GHz. The unit is equipped with 4 inputs and 16 outputs. Inputs 1 and 2 can be switched to outputs 1...8 and inputs 3 and 4 to the outputs 9...16. Each output is terminated by using a further relay.

Applications

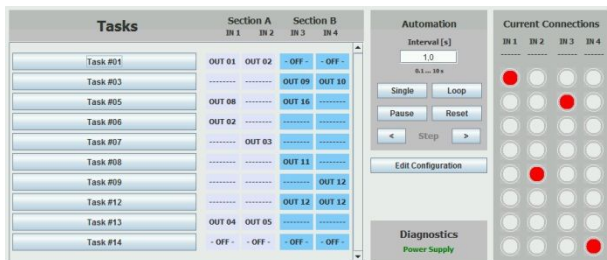
Test bench

Design

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

Features

- SMA connectors, female, front panel
- LAN interface and GUI
- webserver for units control and monitoring
- power supply units



Technical data	measured a 25° C
Model number:	GTS3698
Item number:	1200244
Configuration:	4 switches SP8T without term. 32 switches SPDT (diagram see below)
RF specifications	
Impedance (Ohm):	50
Frequency range (GHz):	DC...18
Insertion loss (dB):	6.0 max.
VSWR:	1.5 : 1 max.
Isolation (dB):	
Out/out	90 min.
Switching time (ms):	10 max.
Switching cycles (Mill.):	1 min.
Switching elements:	failsafe relays
Measurement standards:	ANSI/TIA-568-C.2 (CAT.6A) ANSI/TIA-568-C.2-1 (CAT.8) IEC 61156-9/IEC 61156-10
Further specifications	
Control:	LAN & GUI
RF connectors:	SMA female, 50 Ohm
Power supply (Vac, Hz):	115/230, 50/60
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 500 (without connectors & handles)
Front panel:	
Front view	painted (RAL7032)



SECTION A

SECTION B

