



Description

The RF MEASUREMENT SWITCH is a new design to fill in the gap in the market for a professional 75Ω DC to 3GHz switch. It finds its application in the professional T&M, production and CATV environment where the best of the best performance is a necessity.

The basic functionality is formed by a one pole, 8 throw switch unit. More of these 8 to 1 units can be interconnected to form other configurations. The switch is equipped with both local and remote control possibilities (web, SNMP). Automated measurement setups are easily performed using this function.

Four of these switch units fit into a 2RU 19" cabinet.



Figure 1 Full view of 1 switch unit



Figure 2 Back panel of 1 switch unit with F connectors



Specifications

subject	min.	typ.	max.	unit
connector		asymmetric		F-connector 75 Ω
impedance		75		Ω
return loss	20			dB F≤1GHz
freq. range	DC		1	GHz
insertion loss			0,2	dB DC ... 1GHz ¹⁾
crosstalk input N and N±1	90			dB DC ... 1GHz
off isolation	90			dB DC ... 1GHz
input level			1	Watt RF power ²⁾
max DC current			50	mA

Control

local with up and down key
 remote: webpage and SNMP
 remark: in SNMP mode local disable possible
 electrical: RJ45 10Base-T

General

power supply	210		230	VAC
power entry		Euro entry		
Fuse		1		AT
Housing	2RU depth 28 cm			(rackmount version 19 inch)
T _{amb}	+5°		+45°	°C
Weight			1,7	Kg

Remarks

All connectors are situated in the back panel
 Non selected inputs are open.
 Device needs a start-up time after power up of 30 seconds before it can be operated.
 After a power cycle all settings (including last selected input) are restored.

- 1) Within -0,3dB up to 3 GHz
- 2) Static contact, not during switching