RFM
RF Routing Switches

RFM

General Description:

The ***RFM*** is a routing switch that transparently passes RF signals. Quintech's proprietary design provides lossless switching while minimizing noise figure through the switch. It's compact design fits 16x1 in a 1 RU chassis and the switches can be cascaded to expand to 256x1. The ***RFM*** is used for centralized test and measurement applications and monitoring large numbers of RF signals.

Features & Benefits:

- 5-1800 MHz continuous frequency range covering all DOCSIS 3.1 to 1200 MHz and to future 1800 MHz frequencies
- L-band 950-2150 MHz frequency range
- Unity gain switching with low noise figure
- Pay as you grow, expandable in the field to 256x1
- Remote control over TCP/IP via open source API
- Web browser interface for easy setup and configuration

Applications:

- Remote testing of CATV headends and monitoring of upstream and downstream paths
- Automate testing of multiple devices under test to shared analyzer

Specifications*	***RFM***		
Configuration:	16x1 (Up to 256x1 with Additional Modules)		
RF Connector:	F-Type	F-Type, SMA	F-Type, SMA
Impedance:	75 Ω	50 Ω, 75 Ω	50 Ω, 75 Ω
Operating Frequency:	5-1800 MHz	950-2500 MHz	5-2500 MHz
P1dB:	+4 dBm	+5 dBm	+4 dBm
Noise Figure:	< 13 dB	<14 dB	<16 dB
OIP3:	15 dBm		
Insertion Loss:	0 dB @±1.5 dB	0 dB @±1.5 dB	0 dB @±3 dB
Input Return Loss:	13 dB	13 dB	13 dB
Output Return Loss:	14 dB	14 dB	13 dB
Isolation:	50 dB	50 dB	45 dB
Remote Control:	Ethernet Port: TCP/IP, Web Browser Interface or SNMP		
Control Module Connectors:	RJ45, XR Bus		
Expansion Module Connectors:	XR Bus		
Power Requirements:	100-240 VAC, 50/60 Hz		
Power Consumption:	9 W		
Size:	1RU: 1.75" H x 19" W x 18.5" D		

*Specifications may vary with connector type. See individual specification sheet for specific performance data.