

RFM

Extended L-Band RF Routing Switch



RFM

General Description:

The **RFM2200** is a routing switch that transparently routes many source or destination signals to a common port. Its compact design provides 16x1 ports in a 1RU chassis and can be cascaded using multiple modules to route up to 256 source ports to a common port. The **RFM2200** is used for centralized test and measurement applications and monitoring a large number of RF signals.

Features & Benefits:

- 950-2500 MHz frequency range covers satellite extended L-band
- Flexible Configurations (16x1 or 1x16 expandable up to 256 inputs or outputs using multiple modules)
- Web Browser Interface for easy configuration and switching
- Automates testing or monitoring of multiple devices to a shared analyzer
- Adjustable Output Gain
- Gigabit Ethernet Port
- Remote control using Web Browser, API, or SNMP (v2c, v3)

Specifications*	RFM
Operating Frequency:	950-2500 MHz
Configuration:	16x1 (standard), expandable up to 256x1
Impedance:	75 Ω
P1dB:	+5 dBm min.
OIP3:	15 dBm min.
Frequency Response: Default Gain: typically Centered @ 0 dB:	950-2150 MHz: +/- 1.5 dB 950-2500 MHz: +/- 2.5 dB
Any 36 MHz:	+/- 0.3 dB
Isolation:	
Input to Input:	50 dB min.
Input to Output:	50 dB min.
Input Return Loss:	13 dB min.
Output Return Loss:	14 dB min.
Noise Figure:	14 dB max.
Gain Range:	-24.5 to 7 dB in 0.5 dB steps
RF Connector:	F-Type
Power Requirements:	100-240 VAC, 50/60 Hz
Power Consumption:	9 W
Remote Control:	Ethernet Port: TCP/IP, Web Browser Interface or SNMP
Control Module Connectors:	RJ45, XR Bus
Expansion Module Connectors:	XR Bus
Mechanical:	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.