advanced media technologies®

RFS 2150

L-Band Sensing Redundancy Switch

QUINTECH®
The Source for RF Reliability

The RFS 2150 L-band Redundancy Switch detects the presence of primary RF signal feed and provide the ability to switch to a backup (secondary) signal upon the loss of the primary. These highly reliable RF switches are ideal for redundancy applications and scheduled maintenance projects. They are perfect for unmanned sites and can help to eliminate the need for emergency restoration service. In addition, an RS-232 DB-9 port has been included through which the RF sensing Switch can be remotely controlled.

FEATURES

- L-band redundancy switches provide automatic backup for signal continuity thereby maintaining your revenue stream
- Facilitates scheduled maintenance activity with no downtime
- Eliminates the need for emergency service, permitting maintenance on a managed schedule
- Rear panel mounted barrier strip provides the interface for a contact closure summary alarm and remote override
- The threshold is adjustable via front panel for adjustment sensitivity and flexibility
- Ideal for redundancy switching applications for failed LNB's, up converters, down converters, antenna rain fade and unmanned facilities
- Ultra-reliable 1:1 redundancy for backup of fiber links
- The RFS 2150/2 with serial control provides the ability to remotely control the RF sensing switches via RS232

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Specifications

RFS 2150 MHz L-Band Sensing Redundancy Switch

Overall RF Range:	950-2150 MHz
Inputs/Outputs:	2 Inputs (Primary, Secondary) / 1 Output (per switch)
Impedance:	75 Ω
Detected Level:	-60 dBm to -20 dBm, adjustable
Insertion Loss:	2.5 dB + 1 dB
Frequency Response:	+1.0 dB
Return Loss:	12 dB
Isolation:	40 dB
Manual Override:	Front panel mounted slide switch
Remote Override:	Form ‘C’ contact closure
Threshold Adjust:	Front panel mounted up/down pushbuttons
Power Requirements:	100-240 V~, 60/50 Hz
Power Consumption:	21 W (excluding LNB power)
RF Connectors:	Type "F", 75
Mechanical:	1 RU (1.75" H x 19" W x 14" D)
Weight:	7.2 lbs. gross (boxed), 4.6 lbs. net

RFS 70 MHz IF Sensing Redundancy Switch

Overall RF Range:	5-1000 MHz
Impedance:	75 ohm
Detected Pilot Frequency:	70 MHz + 1 MHz
Level:	-50 to -20 dBm
Insertion Loss:	0.5 dB + 0.5 dB
Return Loss:	12 dB (input & output)
Isolation:	40 dB
Manual Override:	Contact closure to ground
Threshold Adjust:	Front panel potentiometer
Alarm:	Form 'C' contact closure
Power Requirements:	100-240 VAC autoranging, 60/50 Hz
Power Consumption:	5 W
RF Connectors:	Type “F”, 75 ohm
Mechanical:	1 RU (1.75" H x 19" W x 14.0" D)