

QUINTECH ELECTRONICS

NEW!

16 x 16 RF Matrix Switch with **Q-ROUTE**



QRM

- New **Q-ROUTE** Provides Maximum Reliability with Signal Path Redundancy & Auto Reroute Capability
- **Q-ROUTE** RF Signal Level Alarms Monitor Input & Output RF Signal Levels
- Operating Range Cover 50 MHz to 2150 MHz Covers Both IF and L-Band
- Manual & Automatic AGC Modes with a Range of -15 dB to +16 dB in 0.5 dB Steps
- Front Panel LEDs Allow Monitoring of Power Supply & Alarm Status

QRM



QRM SYSTEM SPECIFICATIONS

RF Specifications	L-Band	IF
Operating Frequency Range	950 - 2150 MHz	50-200 MHz
Frequency Response	+/- 1.5 dB +/- 0.4 dB Over any 36 MHz channel	+/- 1.5 dB +/- 0.4 dB Over any 36 MHz channel
Isolation	> 70 dB Input to Input > 60 dB Output to Output > 60 dB Input to Output	> 70 dB Input to Input > 60 dB Output to Output > 60 dB Input to Output
RF Input Power	-10 dBm to -70 dBm	-10 dBm to -70 dBm
Gain Range (manual mode)	-15 dB to +16 dB in 0.5 dB steps	-15 dB to +16 dB in 0.5 dB steps
Impedance	50 Ω or 75 Ω	50 Ω or 75 Ω
Output AGC level	-10 dBm to -50 dBm	-10 dBm to -50 dBm
Max. RF Output Power	-10 dBm	-10 dBm
Input P1dB	+2 dBm at 1550 MHz	0 dBm at 70 MHz
OIP3	+13dBm at 1550 MHz	+10 dBm at 70 MHz
Input Return Loss	14 dB	14 dB
Output Return Loss	14 dB	14 dB
Noise Figure	9 dB (1550 MHz Gain = +16 dB) 16 dB (1550 MHz Gain = 0 dB)	9 dB (70 MHz Gain = +16 dB) 16 dB (70 MHz Gain = 0 dB)
Configurations:	8 x 8, 8 x 16, 16 x 8, 16 x 16	
RF Connectors:	BNC (50 or 75 Ω), Type "F", SMA Connectors	
AC Input Power:	Auto ranging 100-240 VAC, 50/60 Hz	
Local Control:	Front panel keypad with LCD display	
PC Remote Control	RS-232, RS -422/485, SNMP, TELNET or Ethernet via customer supplied PC	
Software:	Basic PC-compatible operating software and command protocol included	
Mechanical:	16 x 16 in 1RU: 1.75" H x 19" W x 18.5" D	

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 **QUINTECH**[®]
The Source for RF Reliability