

QRM 2500

QRM250016X16CBFA000

RF Matrix Switching System

General Description:

The **QRM250016X16CBFA000** is a matrix switch and switching subsystem that provides a complete 16x16 matrix switching solution in a 1 RU chassis. Q-ROUTE provides internal signal path redundancy by automatically re-routing around a failed signal path. Q-SENSE provides external signal path redundancy by automatic switching of back-up input signals. It is controllable either locally via the front panel keypad or remotely via computer and is compatible with most monitoring and control systems.

Specifications:

Operating Frequency:

Gain Range (manual mode):

Impedance:

P1dB:

OIP³:

RF Input Power:

RF Output Power:

Output AGC Level:

Frequency Response:

Isolation (input-to-input):

Isolation (output-to-output):

Isolation (input-to-output):

Input Return Loss:

Output Return Loss:

Noise Figure:

L-Band	IF
950-2150 MHz	50-200 MHz
-15 dB to +16 dB in 0.5 dB steps	-15 dB to +16 dB in 0.5 dB steps
75 Ω	75 Ω
+2 dBm	-3 dBm
10 dBm	8 dBm
-10 dB to -70 dB	-10 dB to -70 dB
-10 dBm	-10 dBm
-10 dBm to -50 dBm	-10 dBm to -50 dBm
± 1.5 dB ± 0.4 dB over any 36 MHz channel	± 2 dB ± 0.6 dB over any 36 MHz channel
65 dB	70 dB
60 dB	60 dB
50 dB	55 dB
14 dB	14 dB
14 dB	13 dB
<18 dB @ 0 dB <9.5 dB @ 16 dB	<18 dB @ 0 dB <9.5 dB @ 16 dB

Configuration:

RF Connectors:

Power Requirements:

Power Consumption:

Local Control:

Remote Control:

Software:

Mechanical:

Weight:

16 inputs / 16 outputs

BNC, 75 Ω

100-240 VAC autoranging, 50/60 Hz

80 W

Front panel keypad with LCD display

RS-232, RS-485, SNMP, TELNET or ETHERNET
via customer-supplied PC

PC-compatible operating software and protocol (included with the system)

1 RU (1.75" H x 19" W x 18.5" D)

14.5 lbs. gross (boxed), 12.0 lbs. net





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