

General Description:

The **QRM100016X16CCFA000** 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:	50-1000 MHz
Gain Range (manual mode):	-15 dB to +16 dB in 0.5 dB steps
Impedance:	50 Ω
P1dB:	-2 dBm
OIP³:	8 dBm
RF Input Power:	-10 dB to -70 dB
RF Output Power:	-10 dBm
Output AGC Level:	-10 dBm to -50 dBm
Frequency Response:	± 2 dB ± 0.6 dB over any 36 MHz channel
Isolation (input-to-input):	60 dB
Isolation (output-to-output):	60 dB
Isolation (input-to-output):	45 dB
Input Return Loss:	14 dB
Output Return Loss:	14 dB
Noise Figure:	<20 dB @ 0 dB, <11 dB @ 16 dB
Configuration:	16 inputs / 16 outputs
RF Connectors:	BNC, 50 Ω
Power Requirements:	100-240 VAC autoranging, 50/60 Hz
Power Consumption:	76 W
Local Control:	Front panel keypad with LCD display
Remote Control:	RS-232, RS-485, SNMP, TELNET or ETHERNET via customer-supplied PC
Software:	PC-compatible operating software and protocol (included with the system)
Mechanical:	1 RU (1.75" H x 19" W x 18.5" D)
Weight:	14.7 lbs. gross (boxed), 12.2 lbs. net



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