QRM 2500
QRM250016X16CFFA000
RF Matrix Switching System

QUALITY MANAGEMENT SYSTEM
CERTIFIED BY DNV
ISO 9001:2008

General Description:

The **QRM250016X16CFFA000** 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:

	L-Band	IF
Operating Frequency:	950-2150 MHz	50-200 MHz
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:	75 Ω	75 Ω
P1dB:	+2 dBm	-3 dBm
OIP^3:	10 dBm	8 dBm
RF Input Power:	-10 dB to -70 dB	-10 dB to -70 dB
RF Output Power:	-10 dBm	-10 dBm
Output AGC Level:	-10 dBm to -50 dBm	-10 dBm to -50 dBm
Frequency Response:	± 1.5 dB ± 0.4 dB over any 36 MHz channel	± 2 dB ± 0.6 dB over any 36 MHz channel
Isolation (input-to-input):	65 dB	70 dB
Isolation (output-to-output):	60 dB	60 dB
Isolation (input-to-output):	50 dB	55 dB
Input Return Loss:	14 dB	14 dB
Output Return Loss:	14 dB	13 dB
Noise Figure:	<18 dB @ 0 dB <9.5 dB @ 16 dB	<18 dB @ 0 dB <9.5 dB @ 16 dB

Configuration:	16 inputs / 16 outputs
RF Connectors:	Type F, 75 Ω
Power Requirements:	100-240 VAC autoranging, 50/60 Hz
Power Consumption:	80 W
Local Control:	Front panel keypad with LCD display
PC Remote Control:	RS-232, RS-485, SNMP, TELNET or ETHERNET via customer-supplied PC
Software:	Basic PC-compatible operating software and system protocol included with system
Mechanical:	1 RU (1.75" H x 19" W x 18.5" D)
Weight:	14.3 lbs. Gross (boxed) 11.8 lbs.Net

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