XTREME 80-C
80 Port Fan-In L-Band RF Matrix Switch

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General Description:
The **XTREME 80-C** next generation L-band matrix switch features 80 ports in a compact 2 RU chassis. The **XTREME 80-C** is a full fan-in (combining), non-blocking switch where one or multiple inputs can be routed to an output. The **XTREME 80-C** features an industry exclusive flexible matrix architecture (patented) that supports both symmetric and asymmetric configurations of 80 combined inputs and outputs in a single chassis. Asymmetric configurations such as 64x16 can be implemented as well as the standard 32x32 configuration. The **XTREME 80-C** is designed for maximum reliability with redundant power supplies and control cards.

Features & Benefits:
- Compact modular design with a variety of configurations adding to 80 ports in 2 RU
- Easy hot-swap of all RF cards, power supplies and control cards
- Option for fiber optic inputs
- Independent input and output gain control
- Remotely controlled via web browser GUI interface, SNMP, Telnet or TCP/IP via customer supplied PC
- Redundant hot-swap control cards

Specifications:*[1]	XTREME 80-C
Configurations:	32x32, 64x16
RF Connectors:	F-Type, BNC 75 Ω or 50 Ω, SMA, Mixed or Optical Input Receivers SC/APC or LC/APC
Impedance:	75 Ω or 50 Ω
Operating Frequency:	850-2450 MHz
Frequency Response:	+/-1.5 dB +/-0.5 dB Over Any 36 MHz Channel
Input P1dB:	0 dBm
Noise Figure:	13 dB @ 0 dB Gain
OIP3:	+10 dBm
Input Return Loss:	14 dB
Output Return Loss:	14 dB
Isolation (input-to-input):	60 dB
Isolation (output-to-output):	60 dB
Isolation (input-to-output):	55 dB
Input Gain Range:	-14.5 to +17 dB
Output Gain Range:	-19.5 to +12 dB (32X32)
Local Control:	Front Panel 2.2" LCD Display with Rotary Switch Joystick
Remote Control:	SNMP, TELNET, TCP/IP, Web Browser Interface Via Ethernet
Power Requirements:	100-240 VAC Autoranging, 50/60 Hz
Power Consumption:	160 W
Size:	2 RU: 3.5"H x 19"W x 23.25 D"

*Specifications may vary with connector type. See individual specification sheet for specific performance data.

[1]Specifications valid at unity gain (Input gain = 0 dB , Output gain = 0 dB)