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 (patent pending) that supports both symmetric and asymmetric configurations of 80 combined inputs and outputs in a single chassis. Asymmetric configurations such as 64x16, 52x12, and more can be implemented as well as the standard 32x32 configuration. It is designed for maximum reliability with redundant power 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
- Independent input and output gain control
- Remotely controlled via web browser GUI interface, SNMP, Telnet or TCP/IP via customer supplied PC

Specifications:*[1]	***XTREME 80-C***
Operating Frequency:	950-2200 MHz
Configurations:	Various Symmetric and Asymmetric Configurations Available
Input Gain Range:	-14.5 to +17 dB
Output Gain Range:	(32X32); -19.5 to +12 dB
Impedance:	75 Ω or 50 Ω
Input P1dB:	0 dBm
OIP3:	+10 dBm
Frequency Response:	+/-1.5 dB +/-0.5 dB Over Any 36 MHz Channel
Isolation (input-to-input):	60 dB
Isolation (output-to-output):	60 dB
Isolation (input-to-output):	55 dB
Input Return Loss:	14 dB
Output Return Loss:	14 dB
Noise Figure:	13 dB @ 0 dB Gain
RF Connectors:	F-Type, BNC 75 Ω or 50 Ω, SMA, or Mixed
Power Requirements:	100-240 VAC Autoranging, 50/60 Hz
Power Consumption:	190 W
Remote Control:	SNMP, TELNET, TCP/IP, Web Browser Interface Via Ethernet Remote Panel
Size:	2 RU: 3.5”H x 19”W x 22.5 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)

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