

## IF SWITCH MATRIX 4 X 4 - 70MHz

IF switch matrix is available in 19" wide and 2U high rack mountable systems. It has 4 inputs and 4 outputs. It is easily controlled and monitored remotely, using TCP/IP interface and has capability of allocating a unique IP address. The system could be easily controlled with standard software programs such as Labview, Labwindows, C, C++ etc.

### FEATURES

- Wideband output from 70±30 MHz
- P1 >20dBm
- Switch Matrix configuration 4 X 4
- Attenuation 31 dB
- Up to 1 Watt of NO DAMAGE input power level protection
- Sturdy 19" rack mountable case
- TCPIP RJ45 connection for remote monitoring
- Capability of allocating unique IP address
- Capable of a unique IP address
- TCPIP RJ45 connection for remote monitoring
- Capable of a unique IP address

### APPLICATION

- Satellite Communication
- Weather Radar
- Automatic test equipment
- Civil Aviation Radar
- Defense application
- Terrestrial Broadcast
- Cable Television

### Electrical Specification:

Parameter	Specification	Units
Configuration (inputs x outputs)	4 x 4	NA
Input frequency range	70 ±20	MHz
Output frequency range	70 ±20	MHz
Isolation input to input	<60	dB
Isolation output to output	<60	dB
Isolation input to output	<60	dB
Gain	>15	dB
Amplitude response, any 40MHz band	<±0.2	dB
Gain stability over temperature	±1	dB
Attenuation	30	dB
Attenuation Step	1	dB
1 dB compression	>+20	dBm
Noise figure	<2	dB
Return loss, input	<-20	dB
Return loss, output	<-20	dB



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### Physical Specification:

Input Tuning Voltage Connector		SMA/BNC/TNC
Input & Output Impedance		50Ω
Dimension	Width	19 inch
	Height	2U
	Depth	<250 mm.
Weight		<5kg

### System Control:

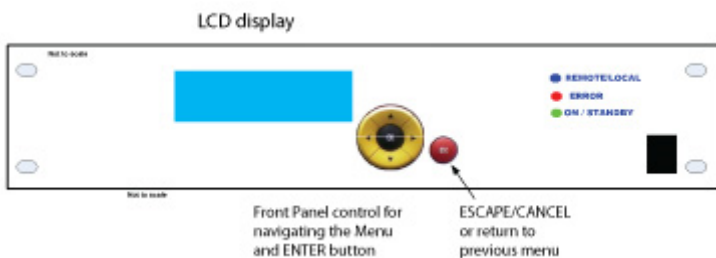
Local Control		Front Panel push buttons and LCD display
Remote Control	TCP/IP	RJ45 Ethernet Port
	RS232	9 pin D-type Female
Front Panel Alarms	Power On	LED
	Error	LED
	Remote Operation	LED
Operational Modes		Front Panel or remote is selected automatically
IP Address allocation		Using telnet with Raw TCP/IP connection

### Environmental Specification:

Operating temperature range	0 to 45°C
Location	Indoor use only
Humidity	-85% non-condensing
Storage temperature	-20 to +75°C

### AC power:

Voltage	85 - 264V AC
Frequency	50 - 60 Hz
Socket	IEC Standard
Fuses	5x20mm standard



#### Other options available:

- Higher or lower gain options available
- Higher or lower P1 dB point available
- Up to 5 hrs of battery backup available
- Different configuration of input and output ports available such as 2X2, 6X6, 8X8 etc

Data sheet is for information purposes only and may be subject to modifications or may be discontinued without notice. **Rev. 1 dated 02-01-2015**