

X-BAND MULTICOUPLER (7.25 - 7.75GHz)

This X-Band Multicoupler is available for 19" wide and 1U high rack mountable systems. It offers 4 equal outputs between 7.25 - 7.75GHz. 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 - input/output
 - Up to 4 hours of battery backup available
 - Up to 1 Watt of NO DAMAGE input power level protection
 - Remote monitoring and control
 - Sturdy 19" rack mountable case
 - TCP/IP RJ45 connection for remote monitoring
 - Internal capability of allocating unique IP address
 - Capable of a unique IP address

- ### APPLICATION
- Satellite Communication
 - Weather Radar
 - ATE signal source
 - Civil Aviation Radar
 - Defense application
 - Broadcast

Electrical Specification:

Parameter	Specification	Units
Frequency Range	7.25 - 7.75	GHz
Number of inputs	1	-
Number of outputs	4	-
P1 dB	>10	dBm
Noise figure	<6	dB
Gain	15	dB
Gain flatness	±0.5	dB
Port to port isolation	>50	dB
Isolation between output ports	>50	dB
NO damage input level	>1	Watt
Input/Output return loss across the band	>20	dB
Input Power detector	>-30	dBm
Mean Time Between Failure (MTBF)	50,000	Hours



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Physical Specification:

Output connectors		N-Type
Output impedance		50Ω
Input Connector		N-Type
Input Impedance		50Ω
Dimension	Width	19 inch
	Height	1U
	Depth	<250 mm.
Weight		<5kg

System Control:

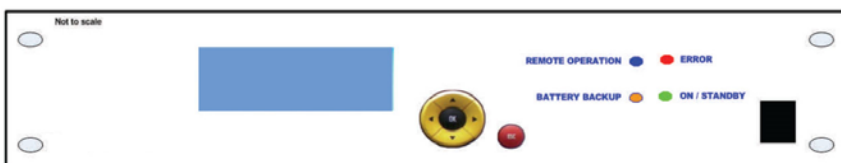
Local Control		Front Panel push buttons and LCD display
Remote Control	TCP/IP	RJ45 Ethernet Port
	RS232	9 pin D-type Female
Front Panel Alarms	Power On	LED
	Error	LED
	Remote Operation	LED
Operational Modes		Front Panel or remote is selected automatically
IP Address allocation		Using telnet with Raw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

Environmental Specification:

Operating temperature range	0 to 55°C
Location	Indoor use only
Humidity	-90% non-condensing
Storage temperature	-40 to +85°C

AC power:

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



Other options available:

- Higher P1 dB point available
- No gain at all
- Longer battery life available
- SMA input/output connector available

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*