

## S-BAND MULTI COUPLER (2.0 - 2.4GHz)

This S-Band Multi coupler is available for 19" wide and 1U high rack mountable systems. It offers 4 equal outputs between 2.0 - 2.4GHz. 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	2.0 - 2.4	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



## S-BAND MULTI COUPLER (2.0 - 2.4GHz)

### Physical Specification:

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

### System Control:

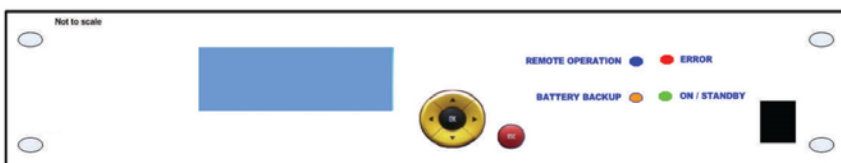
<b>Local Control</b>		Front Panel push buttons and LCD display
<b>Remote Control</b>	TCP/IP	RJ45 Ethernet Port
	RS232	9 pin D-type Female
<b>Front Panel Alarms</b>	Power On	LED
	Error	LED
	Remote Operation	LED
<b>Operational Modes</b>		Front Panel or remote is selected automatically
<b>IP Address allocation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

### Environmental Specification:

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

### AC power:

<b>Voltage</b>	85 - 264V AC
<b>Frequency</b>	50 - 60 Hz
<b>Socket</b>	IEC Standard
<b>Fuses</b>	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*