8x1 L-band / IF switch – with local and remote control

This 8x1 broadband switch covers L-band and also IF switching. It can be controlled from illuminated push buttons on the front panel and also remotely via an RJ45 port. The unit offers very high performance with fast solid state switching, high isolation, and nominal unity gain.

The switch is powered from a single mains power supply. An LED on the front panel shows the PSU status, and there is a dry contact alarm port for PSU failure.

This unit has 50 ohm BNC connectors, but other impedances and connector types are available (model numbers will vary).

RESILIENCE   FLEXIBILITY   RF PERFORMANCE

ETL Model Number – 23127

Technical Specifications

• RF Parameters

Capacity	8 x 1 switch
Frequency Range	50-2150 MHz
Insertion Gain	1dB typical ± 1dB
Flatness	±2dB
Input Return Loss	10dB typical
Output Return Loss	10dB typical
Noise Figure	9dB
1dB Compression Point	+0dBm
Isolation IP to OP	60dB typical
Isolation IP to IP	60dB typical

• System Control

Local Control	Illuminated push buttons on front panel
Remote Connection	RJ45 ethernet port

• Environmental

Operating Temperature	0 to 50ºC
Location	Indoor Use Only
Storage Temperature	-20ºC to +75ºC
Humidity	20-90% Non Condensing

• Physical

Connectors	BNC
Impedance	50Ω
Dimensions	1U x 350mm x 19"
Colour	Matt black front panel

• Power

Power Requirement	85/264V AC, 50/60 Hz

• Key Features

PSU	Single
Mains Inlets	Single
Alarm	Dry contact for PSU failure

RoHS COMPLIANT
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ETL Systems develop, design and manufacture specialist equipment for satellite ground stations. For a fuller description of the ETL product range, please visit our website. This range can be used as the basis to meet your specific demands.