



8x1 L-band / IF switch – with dual power supplies.

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 offers dual power supplies all in a compact 1U shelf. An LED on the front panel shows the dual PSU status, and there is a dry contact alarm port for PSU failure.

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

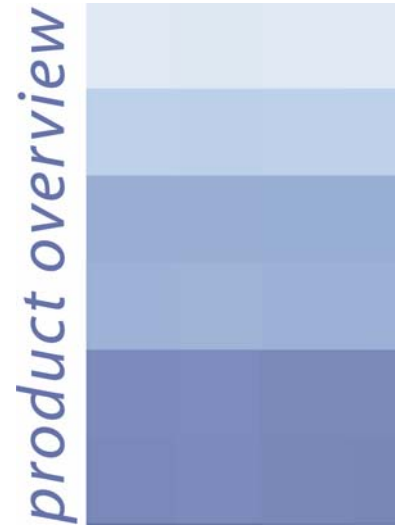


Fig 1 – model 23133 front view with illuminated push buttons and Dual PSU status LED.

Key features

- 50–2150 MHz operating range
- 50 ohm N-type connectors (others available)
- 8 x 1 solid state based switching
- 60 dB input to output isolation
- Dual power supplies
- Push button local control and remote control via RJ45 TCP/IP ethernet port

Model 23133-N5N5

satellite systems

Broadband 8 x 1 switch amplifier – Technical Summary



Fig 2 – model 23133-N5N5 rear panel showing RF in/out ports, serial communications and dry contact alarm port.

Other information

- 90-264 VAC 50/60 Hz
- Dual power supply
- Dry contact alarm for PSU failure
- 1U high 350mm 19" shelf
- Colour – Matt black front panel

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<u>Parameter</u>	<u>Model 23133-N5N5</u>
Capacity	8 x 1 switch
Control	Illuminated push buttons (PTM) on the front panel and remote control via TCP/IP
Frequency	50-2150 MHz
Impedance IN	50Ω
RF Port IN	N-type
Impedance OUT	50Ω
RF Port OUT	N-type
Insertion loss	0 dB typical ± 1.5 dB
Isolation IP to OP	60 dB
Isolation IP to IP	70 dB
Input Return Loss	10 dB
Output Return Loss	10 dB
1dB Compression Point (output power)	+3 dBm
Environment	Indoor use, 0° to 50° C and 20 – 90% humidity (non-condensing).

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

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