



Model Number: 23133-S5

RF Engineering
and Custom Build

8 x 1 IF / L-band Switch

With Local and Remote Control (via RJ45 Port)



Front View of Model 23133-S5

This 8x1 broadband switch covers L-band and also IF switching, operating over the 50-2150MHz frequency range. The unit offers very high performance with fast solid state switching, high isolation, and nominal unity gain.

The unit can be controlled from illuminated push buttons on the front panel, which allows switching of the inputs to the outputs, and also remotely via an RJ45 Ethernet port on the rear panel.

The switch benefits from dual redundant power supplies, which can be monitored via front panel LEDs which provide a visual status and via a dry contact alarm port on the rear panel.



Rear View of Model 23133 with 50 ohm N-type connectors

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





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Technical specifications and operating parameters

RF Parameters		
Capacity	8 x 1	
Frequency Range	50-2150 MHz (Broadband)	
Insertion Loss	1 dB typical \pm 1.5 dB	
Isolation	IP - OP	60 dB typical
	IP - IP	70 dB typical
1dB Compression	3 dBm	
Input Return Loss	10 dB	
Output Return Loss	10 dB	
Switching Type	Solid state, volatile with power	

System Control	
Remote Control	Via RJ45 Ethernet port LAN TCP/IP on rear panel
Local Control	Via illuminated push buttons on front panel
Display	Front Panel LEDs for Power and PSU status
Alarms	Dry contact alarm port on rear panel for PSU failure

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

Physical	
Connectors	SMA
Impedance	50 Ω
Dimensions	1U high x 350mm deep x 19" wide
Colour	White 00-E-55 semi-gloss (also available in Matt Black)

Power	
AC Power	85-264V AC (50/60Hz) fused at 2A
LNB Power	None
PSU	Dual redundant
Hot-swap PSU	No

Key Features	
Local and remote control via RJ45 Ethernet Port	
Dual redundant power supplies	
Front Panel LEDs for PSU status	
Dry contact alarm port for PSU failure	

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