



Model Number: 23133-S5S5

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-S5S5

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	I/P - O/P	60 dB typical
	I/P - I/P	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

Input Connector	SMA
Input Impedance	50Ω
Output Connector	SMA
Output Impedance	50Ω
Dimensions	1U high x 350mm deep x 19" wide
Colour	White 00-E-55 semi-gloss (also

Power

AC Power	85-264V AC (50/60Hz) fused at
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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