



Model Number: 23164-S5S5

RF Engineering
and Custom Build

8 x 1 IF / L-Band Switch

With Remote Control (RJ45 port)



Front View of Model 23164-S5S5

This 8x1 IF through L-Band switch operates over the 50-2150MHz frequency range and is designed primarily for signal monitoring. The unit can be remotely controlled via an RJ45 ethernet. As with all ETL switches the simple protocol facilitates rapid integration into most M&C systems.

The front panel contains a 2 digit LED display which indicates the currently selected input channel as a number between 0 and 8.

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



Rear View of Model 23164-S5S5

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





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Technical specifications and operating parameters

RF Parameters			
Capacity		8x1	
Frequency Range		50-2150 MHz (IF / L-band)	
Gain		1 dB \pm 1.0 dB, nominal mean across band	
Flatness		\pm 1.5 dB	
Isolation	I/P-O/P	50 dB	60 dB typical
	I/P-I/P	55 dB	60 dB typical
1dB Compression		+5 dBm	
Noise Figure		8 dB	
Spurious Noise		< - 90 dBm	<- 100 dBm typical
Input Return Loss		10 dB	15 dB typical
Output Return Loss		10 dB	15 dB typical

System Control	
Display	Front Panel 2 digit LCD Display & LED for PSU status
Remote Control	Via Ethernet Port (RJ45) on rear panel

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 450mm deep x 19" wide
Weight	6 kg
Colour	White 00-E-55 semi-gloss (Front panel)

Power	
AC Power	85-264V AC (50/60Hz), Fused 2A
LNB Power	None
PSU	Single
Hot-swap PSU	No

Key Features	
Remote control Only	
Front Panel LCD Display showing selected input	

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