



Model Number: 23164-S5

RF Engineering  
and Custom Build

## 8 x 1 IF / L-Band Switch

With Remote Control (RJ45 port)



Front View of Model 23164-S5

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-S5

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





# Model Number: 23164-S5

RF Engineering  
and Custom Build

8 x 1 IF / L-Band Switch with Remote Control (RJ45 port)

## 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 $\Omega$	
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			

ETL SYSTEMS LIMITED  
Coldwell Radio Station  
Madley  
Hereford  
England HR2 9NE

TELEPHONE  
+44 (0)1981 259020  
  
EMAIL  
info@etlsystems.com

FACSIMILE  
+44 (0)1981 259021  
  
WEB  
www.etlsystems.com

