



Model Number: 23180-S5S5

RF Engineering  
and Custom Build

# 32 x 1 IF / L-band LS Series Switch

With Local & Remote Control (Via RS232/422/485 and RJ45 Ports)

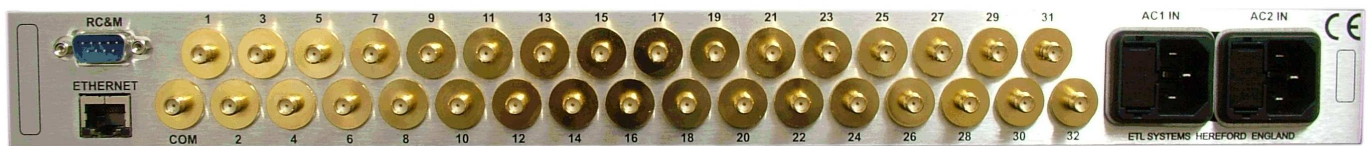


Front View of Model 23180-S5S5

This 32x1 IF through L-band switch operates over the 50-2150MHz frequency range. The unit can be locally controlled using the keypad and display on the front panel, and remotely controlled via a Serial or Ethernet port on the rear panel.

The front panel HMI allows selection of the desired switch position, network configuration, shelf name and the ability to reboot the CPU.

The switch benefits from dual redundant power supplies, which can be monitored via the serial or Ethernet port on the rear panel.



Rear View of Model 23180-S5S5

As with all ETL switches the simple serial protocol facilitates rapid integration into most M & C systems.

This unit has 50 ohm SMA connectors but others are available (model numbers will vary).





# Model Number: 23180-S5S5

RF Engineering  
and Custom Build

32 x 1 IF / L-band LS Series Switch with Local & Remote  
Control (Via RS232/422/485 and RJ45 Ports)

Technical specifications and operating parameters

## PRELIMINARY SPECIFICATIONS

RF Parameters			
Capacity		32 x 1	
Frequency Range		50-2150 MHz (IF / L-band)	
Gain		1.0 dB $\pm$ 1.0 dB nominal, mean across band	
Isolation	I/P—O/P	65 dB	
	I/P—I/P	70 dB	
1dB Compression		+5 dBm	
Flatness		$\pm$ 1.0 dB	
Noise Figure		17 dB	
Spurious	In band	<-95 dBm	Typically <-105 dBm
	Out of band	<- 80 dBm	10MHz-3GHz
Input Return Loss		15 dB typical	
Output Return Loss		15 dB typical	

Physical	
Input Connector	SMA
Input Impedance	50 $\Omega$
Output Connector	SMA
Output Impedance	50 $\Omega$
Dimensions	1U high x 450mm deep x 19" wide
Weight	6 kg
Colour	White 00-E-55 semi-gloss

Power	
AC Power	85-264Vac 50/60Hz Fused 2A
LNB Power	None
PSU	Dual redundant
Hot-swap PSU	No

System Control	
Local Control	Via front panel push buttons and LCD Display
Remote Control	Via rear panel Serial (RS232/422/485) or Ethernet (RJ45) Port
Display	Front panel LCD Display

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

Key Features	
Local and Remote Control (Serial & Ethernet ports)	
Housed in a compact 1U high chassis	
Dual redundant power supplies	

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

