



Model Number: 23180-F7F7

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)

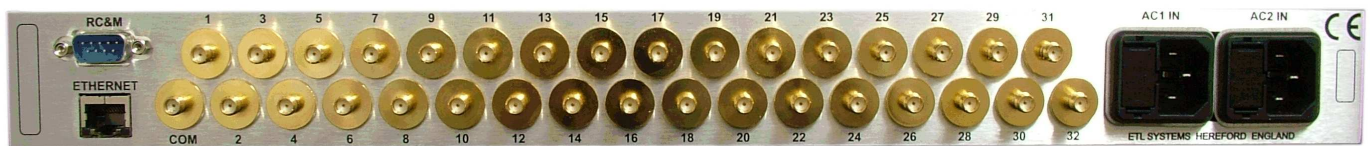


Front View of Model 23180-F7F7

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 with 50 ohm SMA connectors

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

This unit has 75 ohm F-type connectors but others are available (model numbers will vary).





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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 1.5 dB		
Noise Figure	17 dB		
Spurious	In band	<-95 dBm	Typically <-105 dBm
	Out of band	<- 80 dBm	10MHz-3GHz
Input Return Loss	12 dB typical		
Output Return Loss	12 dB typical		

Physical	
Input Connector	F-type
Input Impedance	75 Ω
Output Connector	F-type
Output Impedance	75 Ω
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	

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