



Model Number: 23179-S5S5

RF Engineering
and Custom Build

16 x 1 IF / L-band LS Series Switch

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

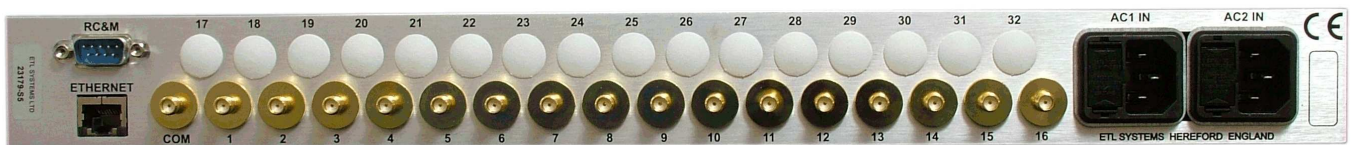


This 16x1 IF through L-band switch operates over the 50-2150MHz frequency range. The unit can be locally controlled using the keypad and display on the front panel, and remotely controlled via a Serial or Ethernet port on the rear panel.

Front View of Model 23179-S5S5

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 23179-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: 23179-S5S5

RF Engineering
and Custom Build

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

Technical specifications and operating parameters

RF Parameters			
Capacity	16 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 Ω
Output Connector	SMA
Output Impedance	50 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	
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

