



Model Number: 23160-S5

RF Engineering  
and Custom Build

## 12 x 1 SHF Switch

With Local and Remote control (via RS232/422/485 & RJ45 ports)

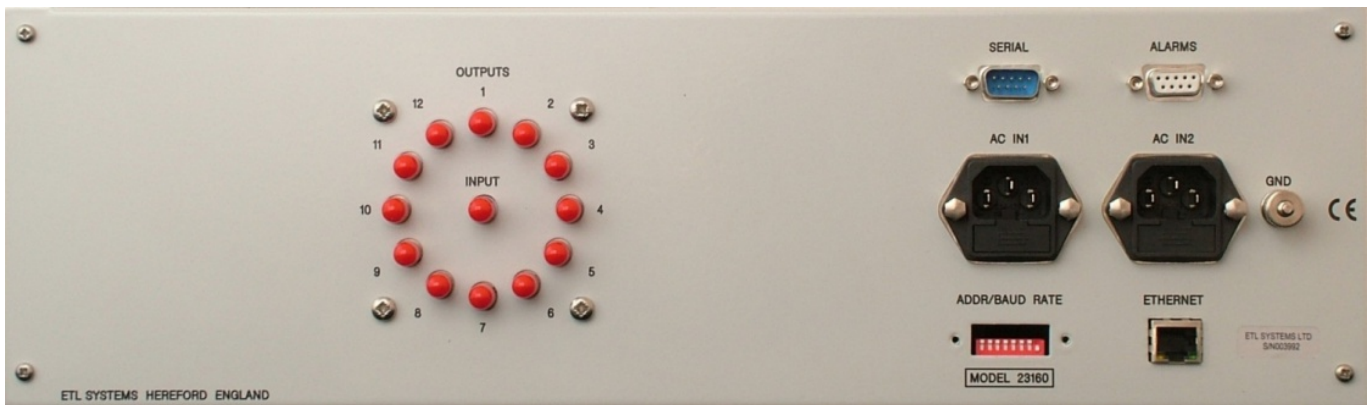


This 12x1 SHF switch operates over the DC-22GHz frequency range. The unit can be controlled locally via the front panel push buttons and LCD Display and remotely via an RS232/422 /485 serial port, or an RJ45 ethernet port on the rear panel.

Front View of Model 23160-S5

The front panel LED display indicates the currently selected input channel as a number between 1 and 12.

The unit benefits from dual redundant power supplies, which can be monitored visually using the front panel LEDs or via a dry contact alarm port on the rear panel.



Rear View of Model 23160-S5

This particular unit has 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	12x1
Frequency Range	DC-22 GHz (SHF)
Insertion Loss	<4 dB
Flatness	1 dB typical
Gain Stability	± 0.02 dB / °C typical
Isolation	60 dB minimum
Noise Figure	13 dB typical
Switch Life	1,000,000 cycles minimum
System Control	
Display	Front Panel LCD Display
Local Control	Via front panel push buttons & LCD Display to select input channel
Remote Control	Via Serial (RS232/422/485) & Ethernet (RJ45) Ports
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	50Ω
Dimensions	3U high x 350mm deep x 19" wide
Colour	White 00-E-55 semi-gloss (Front panel)
Power	
AC Power	90-264V AC (50/60Hz)
LNB Power	None
PSU	Dual Redundant
Hot-swap PSU	None
Key Features	
Local & Remote Control	
Dual redundant power supplies	
Front panel LCD Display	

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