



Model Number: 23176-S5

RF Engineering
and Custom Build

32-way SHF Switch

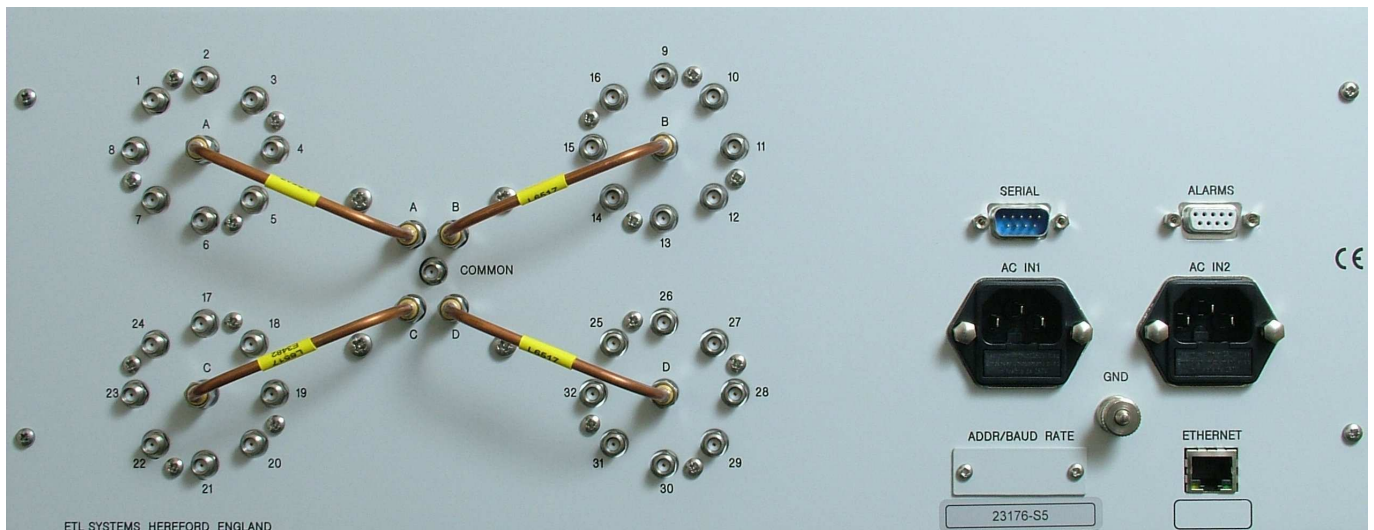
With local & remote control



This 32-way SHF switch operates over the frequency range of DC-22GHz, using coaxial relay switches. The switches are self terminating latching type and will pass an RF signal even when the unit is powered down. The unit can be controlled both locally and remotely.

Front View of Model 23176-S5

Local control is via push buttons on the front panel and remote control is either via an RS232 or RS422 / 485 serial port, or an RJ45 Ethernet port.



Rear View of Model 23176-S5

The switch benefits from dual redundant power supplies which can be monitored by a front panel LED which provides a visual status, or via a dry contact alarm port on the rear panel for external monitoring.

This unit is supplied with 50 ohm SMA connectors.





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Technical specifications and operating parameters

RF Parameters		
Capacity	32 x 1	
Switch Type	Coaxial relay switch array, self terminating	1,000,000 cycle minimum life; mounted on rear panel
Frequency Range	DC to 22 GHz (SHF)	
Insertion Loss	< 3 dB	Generally monotonic, increasing loss with frequency
Flatness	± 1 dB	Max deviation from monotonic
Isolation	60 dB	
Return Loss	10 dB min	Typically 15 dB

System Control	
Local Control	Via push buttons on front panel
Remote Control	Via RS232 or RS422/485 serial port and Ethernet port

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	4U high x 350mm deep x 19" wide
Colour	White 00-E-55 semi-gloss (Front panel)

Power	
AC Power	85-260V AC (50/60Hz), Fused 2A
LNB Power	None
PSU	Dual Redundant
Hot-swap PSU	None

Key Features	
Local and remote control	
Self terminating latching coaxial relay switches	
Dual redundant power supplies	
Front Panel LED's for LNB & PSU status	

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