



Model Number: 23207-S5S5

RF Engineering
and Custom Build

16 x 1 SHF Switch

Self-Terminating Latching Switch with Local & Remote control (via RS232/485 & RJ45 ports)

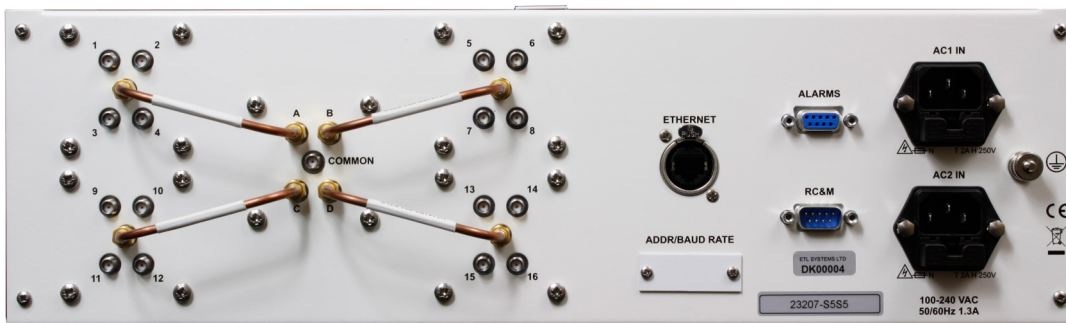


This 16x1 SHF switch operates over the DC to 26.5 GHz frequency range. The unit can be locally controlled using the keypad and display on the front panel, and remotely controlled via a Serial or Ethernet port on the rear panel.

Front View of Model 23207-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 visually using the front panel LEDs or via the dry contact alarm or Ethernet port on the rear panel.



Rear View of Model 23207-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).





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

Technical specifications and operating parameters

RF Parameters

Capacity	16:1 Switch	Latching, Self-Terminating	
Input & output ports	50Ω SMA	All ports DC Pass	
Frequency range	0 to 26.5GHz		
Frequency	0 to 8 GHz	8 to 16 GHz	16 to 26.5 GHz
Insertion Loss (Maximum across band)	1 dB	1.3 dB	1.5 dB
Return loss	Typical	20 dB	18 dB
	Minimum	17 dB	14 dB
Isolation (Minimum between any two multi-ports)	70 dB	60 dB	60 dB
Flatness	±1 dB	Full Band	
Group delay	1 nsec peak to peak across full bandwidth		
DC Pass	Between Common Port and any Multi-Port		

Power

PSU Power	85-264Vac 50/60Hz	Fused 2A
AC Consumption	17W	Max. Consumption at steady state.
LNB Power	None	
Input Power	1W per input 3W total per switch	Limited by internal terminators.
PSU Redundancy	Dual redundant and Alarmed	Diode OR
Hot-swap PSU	No	

Environmental

Operating temperature	0 to 45°C
Location	Indoor use only
Storage temperature	-20°C to +75°C
Humidity	20 to 90% non-condensing
Altitude	10,000 ft Above Mean Sea Level

System Control

Remote control & Monitoring	Serial (RS232/485) and Ethernet (RJ45)	Rear panel
Alarms	Dry contact (D-type) & Ethernet (RJ45)	PSU status

Physical

Dimensions	3U high x 450mm deep x 19" wide (19" rack mountable)
Weight	9 kg
Colour	RAL-9003 White (Semi-Matte)

Key Features

- Local and remote control and monitoring
- Housed in a compact 3U high chassis
- Dual redundant power supplies

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