



Model Number: 23208-S5S5

RF Engineering  
and Custom Build

## 24 x 1 SHF Switch

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



This 24x1 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 23208-S5S5

The front panel LED display indicates the currently selected input channel as a number between 1 and 24.

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 23208-S5S5

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

Switch Type	Coaxial relay switch array, self terminating.	2,000,000 cycle minimum life; mounted on rear panel.
Capacity	24 x 1 (or 1 x 24)	
Input & output ports	50Ω SMA	
Frequency	DC to 22GHz	
Insertion Loss	< 3 dB	Generally monotonic, increasing loss with frequency.
Flatness	± 1 dB	Max deviation from monotonic.
Return Loss	Typical	15 dB
	Minimum	10 dB
Isolation	< 60 dB	Maximum, between any two multi-ports.

### System Control

Display	Front Panel LCD Display
Local Control	Via front panel push buttons & LED 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	20 to 85% non-condensing

### Physical

Dimensions	3U high x 450mm deep x 19" wide
Weight	8 kg
Colour	White 00-E-55 semi-gloss (Front panel)

### Power

AC Power	85-264Vac 50/60Hz	Fused 2A
AC Consumption	45W Max, 16W steady state	Maximum consumption
Input RF Power	30dBm per input, 35dBm total per switch.	Limited by internal Terminators.
LNB Power	None	
PSU	Dual Redundant	Diode OR
Hot-swap PSU	None	
Alarms	Dry contact (D-Type), Ethernet, Serial, Front Panel LEDs for PSU status.	

### Key Features

- Local & Remote Control
- Dual redundant power supplies
- Front panel LCD Display

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