

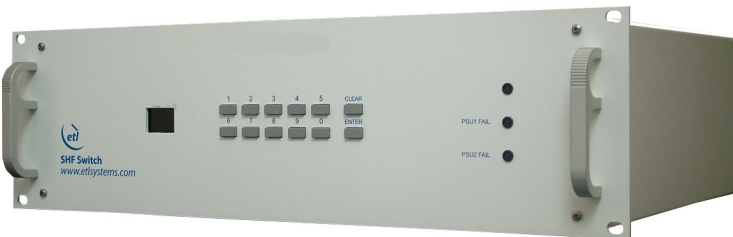


Model Number: 23213-S5S5

RF Engineering  
and Custom Build

## 12 x 1 SHF Switch

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



Front View of Model 23213-S5S5

This 12x1 SHF switch operates over the DC-18GHz frequency range. The unit can be controlled locally via the front panel push buttons and LCD Display and remotely via an RS232/485 serial port, or an RJ45 Ethernet port on the rear panel.

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 23213-S5S5

This particular unit has 50 ohm SMA connectors, but other connector types and impedances are available (model numbers will vary).





# Model Number: 23213-S5S5

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12 x 1 SHF Switch with Local and Remote control (via RS232/422/485 & RJ45 ports)

## Technical specifications and operating parameters

RF Parameters						
Capacity	12 x 1 (or 1 x 12)					
Input and Output Ports	50Ω SMA					
Frequency Range	DC-18GHz					
Frequency Bands (GHz)	0-3	3-8	8-12.4	12.4-15	15-18	
Insertion Loss (dB)	0.2	0.4	0.6	0.7	0.8	
Flatness (dB)	±0.2	±0.3	±0.3	±0.5	±0.5	
Input Return Loss (dB)	Typical	25	20	18	18	15
	Minimum	20.8	15.6	12.7	11.7	10.8
Output Return Loss (dB)	Typical	25	20	18	18	15
	Minimum	20.8	15.6	12.7	11.7	10.8
Isolation	Minimum between any two output ports	80 dB	70 dB	60 dB	60 dB	50 dB
Switch Life	2,000,000 cycles		Per position			

Environmental	
Operating Temperature	0 to 45°C
Location	Indoor use only
Storage Temperature	-20°C to +75°C
Humidity	20 to 90% non-condensing

Physical	
Dimensions	3U high x 350mm deep x 19" wide
Weight	6 kg
Colour	White 00-E-55 semi-gloss

System Control	
Alarms/Monitoring	Dry contact (D-Type), Ethernet (RJ45), RS485 (D-Type)

Power		
AC Power	85-264Vac 50/60Hz	Fused 2A
AC Consumption	20W	Max. Consumption at steady state
PSU	Dual Redundant	Diode OR
Hot-swap PSU	No	
Input RF Power	16dBm	Absolute maximum

Key Features
Local & Remote Control
Dual redundant power supplies for reliability
Front panel LCD Display

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