



Model Number: 23220-S5S5

RF Engineering
and Custom Build

8 x 1 S-Band Latching Switch

0-3 GHz , Self Terminating with Local & Remote Control (via RS232/485 & RJ45 ports)
with DC pass



Front View of Model 23220-S5S5

This 8 x 1 S-band switch operates over the DC - 3GHz frequency range. The unit can be locally controlled using the push buttons on the front panel, and remotely controlled via an Ethernet port on the rear panel.

The switch is powered from dual redundant power supplies, which can be monitored via the front panel status LED or a dry contact alarm port for PSU failure on the rear panel. Monitoring can also be done via the serial report on the rear panel.



Rear View of Model 23220-S5S5

This particular unit is supplied with 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	8x1 (or 1x8)		
Frequency Range	0-3GHz		
Insertion Loss	1 dB (maximum)		
Flatness	< 1 dB peak to peak		
Return Loss	Typical	24 dB	All RF ports
	Minimum	20 dB	
Group Delay	1 ns peak to peak	Full bandwidth maximum	
Isolation	75 dB	Min between any two multi-ports.	
DC Pass	Between Common Port and any Multi-Port		

System Control	
Remote Control & monitoring	Serial (RS232/485) and Ethernet (RJ45) port with SNMP and web browser interface
Alarms	Dry contact (D-Type) & Ethernet (RJ45). PSU Status.
Display	Front panel LED's for power status & LCD

Physical	
RF Connectors & Impedance	SMA 50Ω
Dimensions	2U high x 350mm deep x 19" wide
Weight	7 kg
Colour	White 00-E-55 semi-gloss

Power		
AC Power	85-264Vac 50/60Hz	Fused 2A
AC Consumption	15W	Max. Consumption at steady state
PSU	Dual redundant	Diode OR
Hot-swap PSU	No	
Input RF Power	30dBm per input. 35dBm total per switch.	Limited by internal terminators.

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

Key Features
DC pass between common port & any multi-port
Local & Remote Control
Dual redundant power supplies for reliability in service
Dry contact alarm port for PSU failure

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