



Model Number: 23165-S5S5-E

RF Engineering
and Custom Build

8 x 1 SHF Switch

With Local & Remote Control (via RJ45 port)

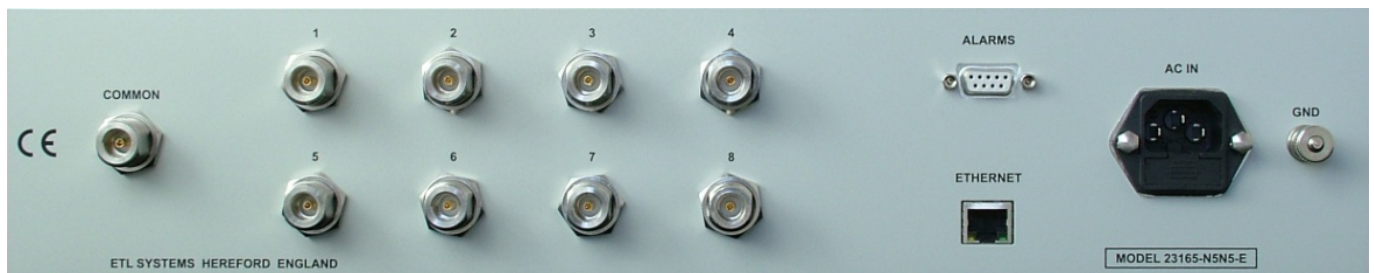


This SHF switch operates over the DC to 18 GHz frequency range. The unit can be locally controlled via the illuminated push buttons on the front panel or remotely via an RJ45 Ethernet port on the rear panel.

Front View of Model 23165-S5S5-E

A Local / Remote button on the front panel allows switching between the local and remote modes of operation.

The unit has a single power supply. An LED on the front panel indicates the power supply status and a dry contact alarm port is supplied on the rear panel for PSU failure.



Rear View of Model 23165-S5S5-E

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





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Technical specifications and operating parameters

RF Parameters			
Capacity	8x1		
Frequency Range	DC-18 GHz (SHF)		
Insertion Loss	0-8 GHz	<1.5 dB	
	0-10 GHz	<2.0 dB	
	0-12 GHz	<3.0 dB	
	0-18 GHz	<4.0 dB	
Isolation	I/P-O/P	75 dB	80 dB typical
	I/P-I/P	75 dB	80 dB typical
Input Return Loss	0-8 GHz	18 dB	
	8-10 GHz	15 dB	
	10-12 GHz	10 dB	
	12-18 GHz	10 dB	
Output Return Loss	0-8 GHz	15 dB	
	8-10 GHz	12 dB	
	10-12 GHz	10 dB	
	12-18 GHz	10 dB	
Switch Life	1,000,000 cycles		

System Control	
Local Control	Via illuminated front panel push buttons to select input channel
Remote Control	Via RJ45 Ethernet Port on rear panel to select input channel
Display	Front panel LED's for PSU status

Physical	
Connectors	SMA
Impedance	50Ω
Dimensions	2U high x 350mm deep x 19" wide
Weight	6 kg
Colour	White 00-E-55 semi-gloss

Environmental	
Operating temperature	0 to 45°C
Location	Indoor use only
Storage temperature	-20°C to +75°C
Humidity	85% non-condensing

Power	
AC Power	85-264Vac 50/60Hz Fused 2A
LNB Power	None
PSU	Single
Hot-swap PSU	No

Key Features	
DC-12 GHz SHF Switch	
Local & Remote Control	
Single PSU	

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