ETL Systems
Excelling in RF Engineering

Model Number:
23260-S5S5

8:1 SHF (DC to 18 GHz) Switch

With local & remote control & monitoring via Ethernet port

Typical applications:

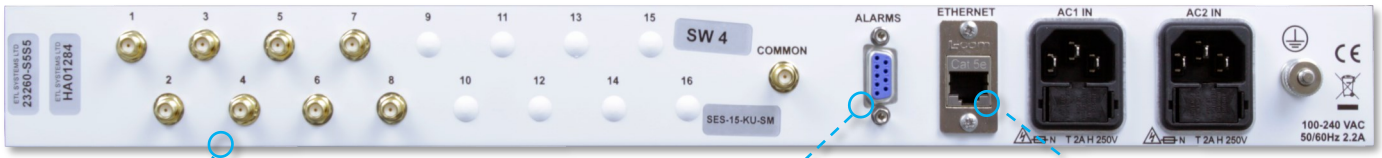
- Signal Carrier Monitoring of satellite feeds
- RF Switching for yachts, ships & other marine applications
- Redundancy switching for main & standby satellite dishes
- Redundancy switching for main & standby IRD / modems
- Redundancy switching for up-converters & down converters
- Remote controlled unmanned satcom sites

Bi-directional signals may pass either way through the switch

Resilience from hot-swap dual redundant power supplies

Local control & monitoring via front panel push buttons & front panel LEDs

DC-18GHz operating frequency range



Compact 8:1 switch housed in a 1U high chassis

Dry contact alarm port for power supply status

Remote control & monitoring via RJ45 Ethernet port with SNMP & web browser interface

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Technical specifications and operating parameters

RF Parameters					
Capacity		8:1 Switch			
Input & output ports		50Ω SMA			
Frequency Range		DC to 18GHz (SHF)			
Frequency bands		0-3 GHz	3-8 GHz	8-12.4 GHz	12.4-18 GHz
Insertion Loss		0.8 dB	1.2 dB	1.8 dB	2.4 dB
Flatness		±0.5 dB	±0.5 dB	±0.6 dB	±0.8 dB
Return Loss	Typical	22 dB	18 dB	16 dB	14 dB
	Minimum	18 dB	14 dB	10 dB	10 dB
Isolation		65 dB	70 dB	65 dB	60 dB
		Minimum between any two output ports.			
Input RF Power		+16 dBm (absolute maximum)			
Switch Life		10,000,000 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
Altitude	10,000 feet AMSL (above mean sea level)

Power		
PSU Power	85-264Vac 50-60Hz	Fused 2A
AC Consumption	30W	Max. consumption at steady state
PSU	Dual redundant and alarmed.	Diode OR. Hotswap
Hot-swap PSU	Yes	

System Control	
Local Control & Monitoring	Via push buttons & display on front panel
Alarms/Monitoring	PSU Alarms—Dry contact (D-type) & Ethernet/SNMP/ETL protocol (RJ45) for PSU and switch tellbacks/control

Physical	
Dimensions	1U high x 450mm deep x 19" wide
Weight	6 kg
Colour	White 00-E-55 semi-gloss

Note 1: The specification is subject to regular reviews and will be updated from time to time as part of our continuing product development and improved spec accuracy.
Note 2: Operation beyond the quoted limits stated above may cause instantaneous and permanent damage.

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