



LS series Monitoring Switch

Typical applications:

- Signal Carrier Monitoring of satellite feeds.
- Redundancy switching applications.
- Remote controlled unmanned satcom sites.
- Routing signal to multiple IRD's.



ETL's LS series range of RF Switches are designed principally for satellite signal carrier monitoring applications.

They are available in capacities of 8x1, 16x1 and 32x1 and can be linked together if the number of feeds is larger. Each LS switch is designed to deliver a high quality signal to a test and measurement system.

The LS Switch design can also be used as a single input to multiple outputs allowing a signal to be switched to different IRD / modems.

The range uses solid state switches and so benefits from long life and excellent RF performance. Resilience is designed in with dual redundant power supplies.



8x1 Switch



16x1 Switch



32x1 Switch

FEATURES						
Model	23225	23226	23227	23228	23229	23230
Frequency	50-2450 MHz (IF to extended L-band)					
Switch Type	Solid state					
Capacity	8 x 1	16 x 1	32 x 1	1 x 8	1 x 16	1 x 32
Remote control & monitoring	RS232/RS485 Serial port, RJ45 Ethernet port, SNMP & Web Browser Interface					
Local control	LCD & push buttons					
Dual redundant PSUs	✓					





RF SPECIFICATIONS						
Model	23225	23226	23227	23228	23229	23230
Frequency	50-2450 MHz (IF to extended L-band)					
Flatness	± 0.8 dB					
Isolation (I/P-O/P)	75 dB					
Gain	0 dB ± 1.0 dB					
1dB GCP	13 dBm	13 dBm	13 dBm	10 dBm	10 dBm	10 dBm
Input Return Loss	20 dB typical					
Output Return Loss	20 dB typical					
Noise Figure	16 dB typical	16 dB typical	16 dB typical	13 dB typical	13 dB typical	13 dB typical

GENERAL SPECIFICATIONS	
PSU	Dual Redundant
Hot-swap PSU	✓
System Control	Local & Remote Control
Operating Temperature	0 to 45 °C
Location	Indoor use only
Storage Temperature	-20 °C to +75 °C
Humidity	20-90% non-condensing
Dimensions	1U high x 350mm deep x 19" wide
Weight	4 kg
Colour	White (RAL 9003 semi-matte)
RF connectors & impedance options	50Ω BNC, 50Ω SMA, 75Ω BNC & 75Ω F-type

The specifications above are based on 50Ω SMA connectors. Specifications may vary for other impedances and connector types.

