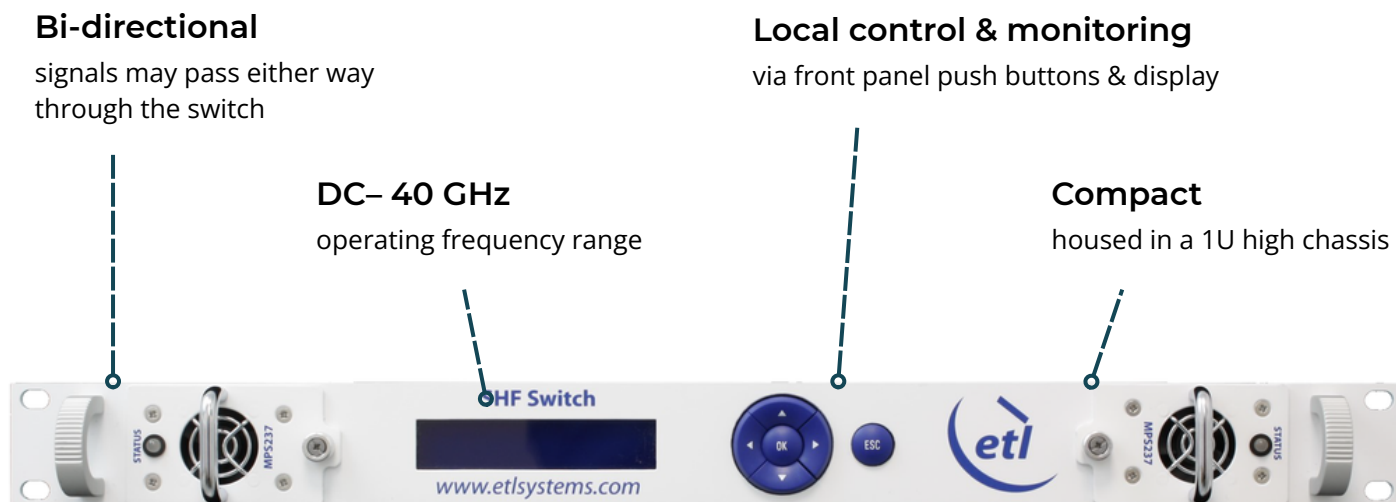


## 8:1 SHF (DC to 40 GHz) Bi-directional Switch

with local & remote control, monitoring via Ethernet port



| RF Parameters          |                          |                          |                          |                          |                         |                        |
|------------------------|--------------------------|--------------------------|--------------------------|--------------------------|-------------------------|------------------------|
| Capacity               | 8 : 1                    |                          |                          |                          |                         |                        |
| Frequency Range        | DC - 40 GHz              |                          |                          |                          |                         |                        |
| Frequency Bands        | 0 - 3 dB                 | 3 - 8 dB                 | 8 - 12.4 dB              | 12.4 - 18 dB             | 18 - 26.5 dB            | 26.5 - 40 dB           |
| Insertion loss (max)   | 1.2 dB                   | 2.0 dB                   | 2.4 dB                   | 3.0 dB                   | 3.5 dB                  | 5.2 dB                 |
| Flatness               | ± 1.0 dB                 | ± 1.0 dB                 | ± 1.0 dB                 | 3.0 dB                   | ± 1.5 dB                | ± 2.4 dB               |
| Return Loss (any port) | 20 dB typ.<br>16 dB min. | 18 dB typ.<br>14 dB min. | 16 dB typ.<br>12 dB min. | 14 dB typ.<br>10 dB min. | 12 dB typ.<br>8 dB min. | 8 dB typ.<br>6 dB min. |
| Isolation              | 68                       | 70                       | 60                       | 60                       | 55                      | 45                     |
| Input RF Power         | 16 dBm                   |                          |                          |                          |                         |                        |

| System Control   |                                                                         |
|------------------|-------------------------------------------------------------------------|
| Local Control    | Via front panel LCD & push buttons                                      |
| Remote Control   | RJ45 Ethernet port 10/100 Base T. TCP/IP, SNMP & Web browser interface. |
| Alarm/Monitoring | Ethernet (RJ45) & Dry contact (D-type) for PSU and summary alarms       |

| Power          |                                                 |
|----------------|-------------------------------------------------|
| PSU Power      | 85-264Vac 50-60Hz Fused 2A                      |
| AC Consumption | 30W Max. consumption at steady state            |
| PSU            | Dual redundant & alarmed Diode OR. Not hot swap |
| LNB Power      | None                                            |
| Switch Life    | 2,000,000 cycles                                |

| Environmental         |                                            |
|-----------------------|--------------------------------------------|
| Operating Temperature | 0 to 45°C                                  |
| Storage Temperature   | -20°C to +75°C                             |
| Location              | Indoor use only                            |
| Humidity              | 20 to 90% non-condensing Relative Humidity |
| Altitude              | 10,000 feet AMSL Above mean sea level      |

| Physical                    |                                 |
|-----------------------------|---------------------------------|
| Input & output RF connector | SMA 2.9                         |
| Input & output impedance    | 50Ω                             |
| 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.