

# LATCHING FIBER OPTIC 2x1 SWITCH

### **OVERVIEW**

The *sl* series are opto-mechanical latching switches for the most demanding applications in fiber optic communication networks. The switch is available in 1x1, 2x1 and 2x2 variants and offers solid state reliability, accurate precision and fast response time. The switch mechanism is latching and has a very fast response time below 1 ms and only 0.5 dB insertion loss.

The miniature package withstands rugged environments and is well suited for direct mounting on printed circuit boards. The switch is qualified according to Telcordia GR 1221.

#### FEATURES

- reliable
- 0.5 dB insertion loss
- 0.5 ms response time
- low PDL
- 60 dB crosstalk
- miniature size
- latching

Ordering Information:

Joptix

## **APPLICATIONS**

- Protection Switching
- Reconfiguration
- WDM

# ORDERING INFORMATION

SL2x1-9n

#### Contact:

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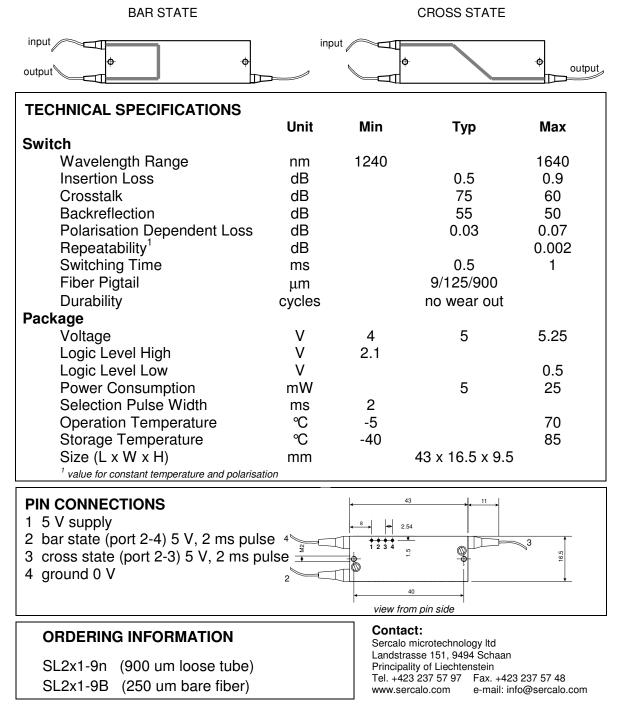
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#### DESCRIPTION

The switches are powered by a voltage between 4.0-5.25 V on the supply pin. The switch state is selected with a CMOS or TTL signal on the selector pins. A high pulse during at least 2 ms on one of the selector pins toggles the switch into either cross state or bar state. At 0 V on the selector pins or at power off, the switch remains in the last selected state.

The switching mechanism offers the reliability of a solid state device; it neither wears out nor degrades over time. Even after billions of cycles the switching quality stays constant.



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Information in this datasheet is believed to be correct but Sercalo reserves the right to change specifications without notice at any time. [90-1004-2]