

P1S

1 x 2 - P1S12B (preliminary)

2 x 2 - P1S22B (preliminary)

Small, High-Performance Switch Constructed Using Omron's Micro Lens Array and Precision Assembly Technology

Features

- Small size achieved using Omron's unique high-precision miniature actuator
- Latching function for low power consumption*
- Precision molded V/W mirror assembly
- Connector options available



Specifications	P1S12B/P1S22B
Type	1 x 2 and 2 x 2
Wavelength Range	1290~1330nm and/or 1530~1610nm
Insertion Loss	≤ 1.2dB (Typ. 0.8dB)
PDL	≤ 0.25dB
Return Loss	≥ 40dB (Typ. 45dB)
Repeatability	≤ 0.1dB
Cross Talk	≥ 55dB
Switching Time	≤ 4msec (Typ. 2.3msec)
Durability	≥ 10 million
Rated Voltage	5VDC
Dimensions	W12.6 x L31.6 x H8.4mm

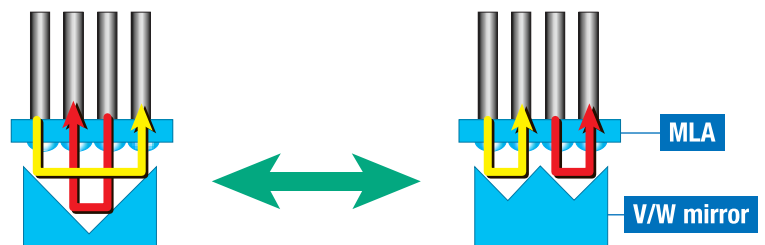
* Non-latching also available

Note: Typical specifications are at room temperature and include connectors.

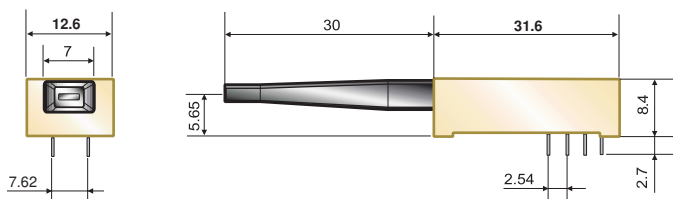
Applications

- Redundancy, monitoring, restoration
- OXC (Optical Cross Connect Circuit)
- OADM (Optical Add/Drop Multiplex Circuit)
- Measurement system

Structures



Dimensions (mm)



What Makes Omron Different?

Stability

- Over 70 years in the electronic components business, founded in 1933
- \$5.5 billion USD global technology leader (April 2004)
- Employs more than 23,000 people

Quality

- All products 100% quality-tested before shipping
- Designed and manufactured to the highest ISO 9001, IPC and JIS standards
- Experts in high volume manufacturing of small, high-precision parts

Technology

- 7% of sales reinvested annually in R&D to ensure leading edge solutions that improve our customers' products and profits
- Major R&D emphasis on sensing, microelectronics, communications and microphotonics
- Strong expertise in telecom technologies
- Pioneer in MEMS and other manufacturing advances

Flexibility

- More than 300,000 products provide a depth of options for your design
- Product customization and co-development available

Support

- Global, regional and local support in 65 countries through 1,500 offices
- Documentation available on-line
- Phone and online access to sales and technical support

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