



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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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

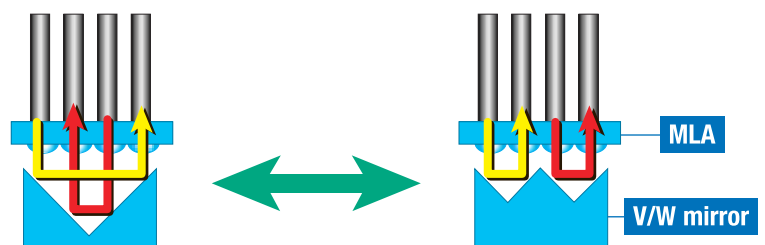
* Non-latching also available

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

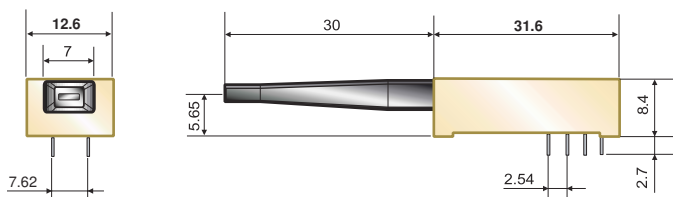
Applications

- 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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