

Features

- No moving parts, best reliability
- Ultra fast switching speed
- Extremely stable latching mode
- Low power consumption
- Exceptional durability and stability



Applications

- Optical switching
- High speed protection
- System monitoring
- Test & measurement
- Fiber-optics sensing system

Product Description

Primanex MagLight™ 2x2 switch is an all solid-state device without any moving parts. The switching of the optical light is realized by utilizing Faraday Effect.

This is achieved using a patent protected non-mechanical configuration with solid-state all-crystal design which eliminates the need for mechanical movement. The microsecond fiber optic switch is designed to meet the most demanding switching requirements of reliability, durability, fast response, and continuous high frequency switching operation.

Specifications

Item	unit	Parameter	Notes
Wavelength Range	nm	1525 ~ 1565	Other band optional
Insertion Loss	dB	0.90(Typ.); 1.20(Max)	
PDL	dB	0.15(Typ.), 0.30(Max)	
Return Loss	dB	≥ 40	
Crosstalk	dB	≥ 35	
Repeatability	dB	+/- 0.01	
Durability	Cycles	> 30 Billions	
Switching Speed	s	10~400	
Maximum Optical Power	mW	500	
Storage Temperature	℃	-40 ~ 85	
Operating Temperature	℃	-5 ~ 70	
Dimension(L×W×H)	mm	78 × 8.2 × 8.2	
Fiber Type		SMF-28e+	

*. All the specifications are based on the devices without connector, and guaranteed over wavelength, polarization, and temperature.

** Specifications are subject to change without notice.

