1 x 2 Solid-State Fiber Optic Switch Module

The EK702-FC Fiber Optic Switch Module includes our fast (<200 µs) solid-state switch mounted on a PCB for easy use in lab and development environments. This latching switch operates in the wavelength range of 1520 to 1610 nm, making it an ideal solution for telecom applications requiring high speed switching. This switch is compatable with our LDS1 5 V power supply (sold separately).

Switching Time <200 µs
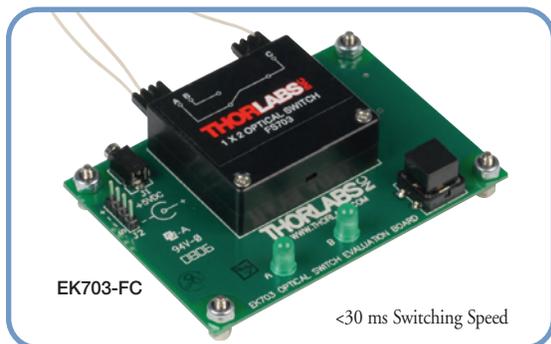

EK702-FC

Specifications

- **Operating Wavelength:** 1520 - 1610 nm
- **Insertion Loss:** <1 dB
- **Polarization Dependent Loss:** ≤0.2 dB
- **Polarization Mode Dispersion:** 0.1 ps Typical
- **Maximum Optical Power:** 400 mw
- **Cross Talk:** <60 dB
- **Return Loss:** ≥55 dB Typical
- **Switching Speed:** <200 µs
- **Drive Voltage:** 5 V
- **Operating Temperature:** 10 to 40 °C

ITEM#	$	£	€	RMB	DESCRIPTION
EK702-FC	$ 1,780.00	£ 1,234.00	€ 1.580,50	¥ 15,031.00	1 x 2 High-Speed Switch Kit, FC/PC Connectors
LDS1	$ 83.10	£ 57.70	€ 73,80	¥ 701.70	5 VDC Regulated Power Supply

1 x 2 Bi-Directional MEMS Optical Switch Module

The EK703-FC MEMS Optical Switch Module contains a 1 x 2 bi-directional optical switch module and all of the necessary electronics to drive the switch. This MEMS type switch comes complete with FC/PC terminations. The switch kit is configured for latching operation and incldues two LEDs which indicate the switching state. This switch operates with our LDS1, a 5 V power supply, sold separately.

- Highly Reliable MEMS Technology
- Excellent Repeatability (0.01 dB Max)

EK703-FC

<30 ms Switching Speed

Specifications

- **Operating Wavelength:** 1520 - 1610 nm
- **Insertion Loss:** <1 dB
- **Maximum Optical Power:** 300 mW
- **Cross Talk:** <70 dB
- **Return Loss:** 65 dB Typical
- **Switching Speed:** <30 ms
- **Drive Voltage:** 5 V
- **Operating Temperature:** 0 to 70 °C

ITEM#	$	£	€	RMB	DESCRIPTION
EK703-FC	$ 582.00	£ 403.50	€ 516,80	¥ 4,914.50	1 x 2 Bi-Directional MEMS Optical Switch Module, FC/PC Connectors
LDS1	$ 83.10	£ 57.70	€ 73,80	¥ 701.70	5 VDC Regulated Power Supply

Multichannel Fiber-Coupled Laser Source

NEW product

Features

- Ideal for Multichannel Fluorescence Imaging
- 4 Laser Output Channels
- Independent Temperature Control provides High Temperature Stablity
- USB Interface
- Choose Any Combination of Wavelengths