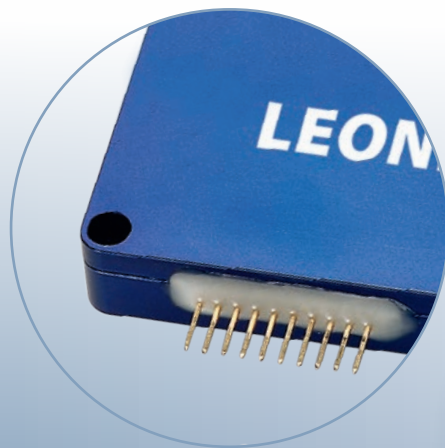


FiberSwitch® Fiber optical singlemode switches



eol 1x4
standard housing
(small version)

eol 1x2 · eol 1x4 · eol 2x2

For requests please specify

- Number of channels (1x2, 1x4 or 2x2)
- Spectral range (operating wavelength range)
- Optical power (max.): High power versions available up to 1 W
- Fiber type (e.g. E9/125 or similar)
- Pigtail length (m)
- Connector type(s) (e.g. FC, SC, LC, E2000)
- Electrical interface (e.g. RS232, TTL, I2C, Ethernet, USB)
- Special requirements
- Switch versions 2xN see page 20

Spectral range		VIS	NIR I	NIR II	IR
Specifications					
Operating wavelength	[nm]	400 – 670	600 – 850	900 – 1200	1260 – 1380 1480 – 1650
max. insertion loss (typ.)	[dB]	2...2.5	1.4 (0.9)	1.4 (0.9)	1.0 (0.7)
Return loss	[dB]	> 40 (> 55*)	> 55	> 60	> 60
Crosstalk	[dB]	≤ -55			
Repeatability	[dB]	≤ 0.01	≤ 0.01	≤ 0.01	≤ 0.005
Polarization dependent loss PDL	[dB]	≤ 0.05			
Switching times	[ms]	≤ 5			
Guaranteed lifetime	[switching cycles]	> 10 ⁸			
Switching frequency	[s ⁻¹]	≤ 30			
Operating voltage	[V]	5 (+/-10%)			
Power consumption	[mW]	< 450			
Operating temperature	[°C]	0 up to +60			
Storage temperature	[°C]	-40 up to +80			
Housing dimensions	[mm]	standard large (124 × 56 × 13)		standard small (75 × 50 × 13)	
Housing options*		Alu Compact table top, 19" rack; different sizes on request			

* on request



光技術をサポートする
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