

FiberSwitch® Fiber optical singlemode switches

eol 1×12
standard housing
(large version)



eol 1×8 · eol 1×12 · eol 1×16 · eol 2×4 · eol 2×8

For requests please specify

- Number of channels (1×8, 1×12, 1×16, 2×4 or 2×8; other channel counts on request)
- 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 2×N see page 20

Spectral range		VIS	NIR I	NIR II	IR
Specifications					
Operating wavelength	[nm]	400 – 670	600 – 900	900 – 1200	1260 – 1380 1480 – 1650
max. insertion loss (typ.)	[dB]	2.5...3	1.4 (0.9)*	1.4 (0.9)*	1.0 (0.7)*
Return loss	[dB]	> 40	> 55	> 55	> 60
Crosstalk	[dB]	≤ -55			
Repeatability	[dB]	≤ 0.01			
Polarization dependent loss PDL	[dB]	≤ 0.1			
Switching times	[ms]	≤ 5			
Guaranteed lifetime	[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)			
Housing options		Alu Compact table top, 19" rack; different sizes on request			

* For eol 1×16: max. insertion loss is 1.5 dB for IR version and 2.0 dB for all other versions



光技術をサポートする
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