

# Fiber Optical Switch

## eol 1x8 · eol 1x12 · eol 1x16

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For requests please specify:

- number of channels      1x8, 1x12 or 1x16
- spectral range            operating wavelength range
- fiber type                  e.g. Corning SMF 28 type
- pigtail length             in meter
- connector type(s)        e.g. LC, FC, SC, ST, MU, E2000
- electronic interface      e.g. TTL, RS-232, I2C, Ethernet, USB
- special requirements



switch version		IR	NIR	VIS
<b>Specifications</b>				
operating wavelength	[nm]	1260 - 1360 1480 - 1630	700 - 1100	400 - 690
insertion loss max. (typical)	[dB]	1.0 (0.7) *)	1.5 (0.9)	1.5 (0.9)
return loss	[dB]	≥60	≥55	≥55
crosstalk	[dB]		≥55	
repeatability	[dB]	≤0.005	≤0.01	≤0.01
polarization dependent loss	[dB]		≤0.1	
polarization crosstalk (typ.)	[dB]	-	-	-
switching time	[ms]		≤2	
guaranteed lifetime	[cycles]		>10 <sup>8</sup>	
switching frequencies	[s <sup>-1</sup> ]		≤50	
operating voltage	[V]		5	
power consumption	[mW]		<450	
operating temperature	[°C]		<b>0 to +60</b>	
storage temperature	[°C]		<b>-40 to +80</b>	
housing dimensions	[mm]		124 x 56 x 13	

\*) For the 1x16 eol switch, the maximum insertion loss for the IR version is 1.2 dB.

LEONI



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