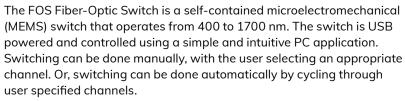


FIBER-OPTIC SWITCH

FOS Fiber-Optic Switch

The FOS Series Fiber-Optic Switch is a convenient way to connect up to eight lasers to a single fiber-coupled instrument, such as the wavelength meters and spectrum analyzers provided by Bristol Instruments.





SPECIFICATIONS	
SWITCH TYPE	1 x 4 or 1 x 8
WAVELENGTH RANGE	400 - 1700 nm
INTERNAL FIBER TYPE	9 μm core diameter (single-mode over 1260 - 1625 nm)
CONNECTOR TYPE	FC/UPC or FC/APC
TRANSMISSION 1, 2	10 - 30% (400 - 600 nm) 30 - 40% (600 - 1700 nm)
REPEATABILITY 2	≥ 0.01 dB
POLORIZATION DEPENDENT LOSS ²	≥ 0.1 dB
RETURN LOSS ²	≥ 40 dB
CROSSTALK ²	≤ - 50 dB
SWITCHING TIME	≤ 5 ms
SWITCHING FREQUENCY	≤ 30 Hz
LIFETIME	Earlier of 10 ⁸ cycles or two years
MAXIMUM INPUT POWER	0.05 mW (400 – 500 nm) 10 mW (500 – 600 nm) 100 mW (600 – 1700 nm)
DIMENSIONS (H x W x D)	2.5" x 5.5" x 9.0" (64 mm x 140 mm x 229 mm)
WEIGHT	2.5 lbs (1.1kg)
POWER	USB 2.0/500 mA
INSTRUMENT INTERFACE	Windows-based application via USB 2.0 or greater

⁽¹⁾ With 9 μm core diameter external fiber

⁽²⁾ Typical