

SINGLE MODE/MULTIMODE 1x2 ~ 1x12 FIBER OPTIC SWITCH



Product Description

PHOTONIK singlemode and multimode switches are designed for applications in re-configurable optical add/drop multiplexers, optical cross-connection systems, network switching for fault protection and restoration, and sensor system integrations or bio-medical instrument. The patented opto-mechanical switch can be directly mounted on printed circuit board(PCB) featuring low insertion loss and seam-seal package type.

PHOTONIK can provide customized designs to meet special-feature applications. Also, modular assemblies that integrated with other components to form a full-function modules or subsystem are available upon request.

Key Features

- Compact Size
- Low Insertion Loss
- Seam-seal Package
- Highly Stable & Reliable

Main Applications

- Network Switching
- Configurable Add/Drop
- Network Protection and Restoration
- Sensor, Instrument Testing and Measurement

Performance Specifications

Parameter	Min	Typical	Max	Unit
Operating Wavelength Range (λ s)	A: 200~700nm; B: 760~850nm; C: 1310/1550nm			nm
Insertion Loss ¹	TBD(for A)	0.6	1.0	dB
Return Loss	50			dB
Channel Cross-Talk	55			dB
Repeatability			± 0.03	dB
Switching Time	5		8	ms
Operating current	45	50	55	mA
Operating Voltage	4.5	5	5.5	VDC
Fiber Type	SMF-28, 50/125um MM, 62.5.125um MM, Quartz MM.			
Connector Type	FC, SC, LC, ST, SMA...PC or APC per request			
Fiber Length	1m typ., or per request			
Fiber Protection Tube/Jacket	Bare, 900um tube, 3mm jacket, or special request			
Durability	10^7			cycles
Operating Temperature	0		60	$^{\circ}$ C
Storage Temperature	-20		70	$^{\circ}$ C
Package Dimension	1 x 2 type: 45(L) x 18(W) x 9(H)			mm

Note: 1.- Exclusive of connector loss.

Ordering Information

Customers may specify the operation wavelength, fiber type, fiber length, protection tube, and connector type, when placement of orders.



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