

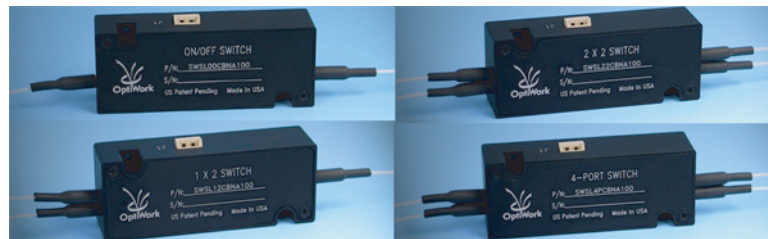
SF Series PRISM SWITCH

Features

- Fast Switching Speed
- Low Insertion Loss
- Wide Wavelength Range
- Position Status Feedback
- Energy Efficient with Latching Operation
- Low Optical Return Loss
- Excellent Repeatability and Mechanical Stability
- Long Life Cycles
- High Optical Power
- Optional Electronics Driver with RS232/GPIB Interface

Applications

- Active Optical Add/Drop Multiplexing
- Network Route Switching
- Laboratory R&D



Reliability

- Telcordia (GR-1073-CORE).
Details provided upon request

Performance Specifications

Parameters		SF 11 Series	SF 12 Series	SF 22 Series	SF 4P Series	Unit
Wavelength Range		1310 – 1630	1530 – 1630	1530 – 1630	1530 – 1630	nm
Switching Time	Typical	5	5	10	8	ms
	Maximum	6	6	15	10	
Insertion Loss	Typical	0.3	0.4	0.5	0.4	dB
	Maximum	0.5	0.6	0.8	0.6	
Cross Talk	Typical	--	-60	-60	-60	
	Maximum	--	-55	-55	-55	
Polarization Dependent Loss	Typical	0.02	0.02	0.05	0.02	dB
	Maximum	0.03	0.05	0.10	0.05	
Repeatability	Typical	± 0.02	± 0.02	± 0.02	± 0.02	dB
	Maximum	± 0.03	± 0.03	± 0.05	± 0.03	
Optical Return Loss	Typical	60	60	60	60	dB
	Minimum	55	55	55	55	
Polarization Mode Dispersion		0.1 (Maximum)				ps
Input Optic Power		500				mW
Control Pulse Width		50				ms
Life Cycles (Durability)		10 Millions				
Operating Temperature		-5 ~ +70				°C
Storage Temperature		-40 ~ +85				°C
Switching Voltage	Typical	4.5 to 6.5	4.5 to 6.5	4.5 to 6.5	4.5 to 6.5	V
Switching Current		36 – 50				mA
Interface Driver for Computer Control		Optional				
Package Dimension		58 (L) x 23 (W) x 16 (H)				mm

target parameters are referenced without connectors.

Ordering Information

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Configuration
11 = 1x1
12 = 1x2
22 = 2x2
4P = 4-Port

Wavelength
C = 1550 nm

Fiber Type
1 = SMF-28 bare fiber
2 = 900 μm loose tube

Package
N = Standard

Grade
A = Grade A

Fiber Length
10 = 1.0m
13 = 1.3m
15 = 1.5m
20 = 2.0m
mn = m.n meter

Connectors
0 = None
1 = Custom
2 = FC/PC (UPC)
3 = FC/APC
4 = SC/PC (UPC)
5 = SC/APC
6 = ST/PC (UPC)
7 = LC/PC (UPC)
8 = FC/APC (Wide Key)