

# 1x2 Opto-Mechanical Switch



## Features / Benefits

- Cost-effective solution
- Fast switching speed
- Broad wavelength range
- Ultra low loss
- Latching configuration
- Hermetic package

## Applications

- Route fiber test system
- Network restoration
- Network protection
- Network monitoring
- Re-configurable OADM

## Specifications

Parameters		Unit	Specification	
Operating Wavelength Range		nm	Single-mode	Multi-mode
			1280 - 1340	800 - 900
			1520 - 1625	1280 - 1340
Insertion Loss	Typ..	dB	0.5	0.5
	Max.	dB	0.9	0.8
Return Loss	Min.	dB	45	-
Polarization Dependent Loss	Max.	dB	0.1	-
Switch Time	Max.	ms	5.0	10
Cross Talk	Min.	dB	80	-
Switch Speed	Max.	Hz	10	
Durability	Min.	cycles	10 <sup>7</sup>	
Repeatability	Max.	dB	± 0.05	
Power Handling	Max.	mW	1000	
Operating Temperature		°C	-5 ~ +70	-20 ~ +75
Storage Temperature		°C	-40 ~ 85	
Dimension		mm	30(L) x 11(W) x 8.2(H)	

1. Values referenced without connectors.
2. Repeatability measured at room temperature for 100 cycles.

## Electric Characteristics

Parameter	Units	Specification
Coil Resistance	Ω	125 (± 10%)
Typical Operating Current	mA	40 (± 10%)
Operating Voltage	V	5.0
Operating Voltage Range	V	4.5 ~ 5.5
Typical Power Consumption	W	0.2

## Ordering Information

