

SINGLE-ENDED MMF 1x2 OPTICAL SWITCH

Product Description

Lightwave Link Inc. Single-ended MMF 1x2 optical switch is designed for use in optical fiber communication networks and measurement instruments. The switch consists of two ports that selectively transmits, redirects, or blocks optical power in a fiber optic transmission line. The optical switch must be actuated to select or change between two states. Furthermore, for the Latching type, it only takes an electrical pulse width with duration ≥ 20 msec to change the state. As a result, it consumes low electric energy to operate the optical switch. Lightwave Link Inc. Single-ended MMF 1x2 optical switch fully complies with RoHS Directive 2011/65/EU.



Features

- Smallest Size
- Low Insertion-Loss
- Fast Switching Speed
- PCB Mountable
- Available in Single Mode
- RoHS Compliance

Applications

- Optical network protection and restoration
- Optical network monitoring
- Reconfigurable add/drop multiplexers
- Transmission equipment protection
- Research and development
- Wavelength router

Performance Specification

Parameters	Unit	MMF 1x2
Operating Wavelength Range	nm	850/1300
Insertion Loss ^{1, 2}	dB	1.5
Return Loss	dB	≥ 35
Crosstalk	dB	≥ 35
PDL	dB	≤ 0.05
Repeatability	dB	$\leq \pm 0.02$
Operating Voltage	V	3 or 5
Durability	Cycles	10 Million
Switching Time	ms	≤ 8
Optical Power	mW	≤ 500
Operating Temperature	°C	-5 ~ +70
Storage Temperature	°C	-40 ~ +85
Relative Humidity	%	5 ~ 95
Dimension	mm	(L)23×(W)11×(H)8.2 ±0.1
Note:		
1. Within room temperature and SOP.		
2. Excluding Connectors.		