1x6 / 6x1 Optical Switch

Product Description

Lightwave Link 1X6 / 6X1 Fiber Optical Switches optimized for a wide range of fiber-optic applications. Design is based on worldwide telecommunications, data communication, system monitoring and component testing requirements. This 1×6 / 6×1 OSW Module has 1 Input Port, 6 Output Ports or 6 Input Ports, 1 Output port. The Module is controlled by a set of electrical connections. Electrical feedback will be provided by the Module indicating which state the optical switch is in. Lightwave Link Inc. 1×6 / 6×1 OSW Module fully complies with RoHS Directive 2011/65/EU.

Features

- Compact Size
- Low Insertion-Loss
- Fast Switching Speed
- Built-In position monitoring
- Latching Type available
- RoHS Compliance

Applications

- Optical network monitoring
- Optical measurement systems

Performance Specification

Parameter	9μm Core Single Mode			50μm or 62.5μm Core Multi Mode			Unit
	Min.	Typ.	Max.	Min.	Typ.	Max.	
Wavelength Range [1]		1260~1630			850/1300		nm
Insertion Loss [2]		1.2	1.8		1.0	1.2	dB
Return Loss		-50					dB
PDL			0.1				dB
WDL			0.3				dB
Crosstalk		-80			-80		dB
Repeatability			±0.1			±0.1	dB
Switching Time [3]			5			5	ms
Absolute Optical Input Power			500			500	mW
Operating Current	Latching: 160±10% / Non-Latching: 124±10%						mA
Operating Voltage	4.5	5.0	5.5	4.5	5.0	5.5	VDC
Power Consumption	Latching: 800±10% / Non-Latching: 620±10%						mW
Switching Life Expectancy	$3x10^7$			$3x10^7$			Cycles
Operation Temperature-Normal	-5		70	-5		70	℃
Operation Temperature-Special	-20		70	-20		70	℃
Storage Temperature	-40		85	-40		85	℃
Operation Humidity	5		95	5		95	%RH
Storage Humidity	5		95	5		95	%RH
Dimension (H*W*L)	18 x 100 x 100						mm
Weight [4]	270						g

1. Special wavelength would be upon request.
2. Optical parameters excluded connectors.
3. A minimum ≧20ms pulse is recommended for latching type of switch.
4. The product weight excluded optical connectors.