

Flyin D2x2 Bypass Mechanical LGX Optical Switch

Description

Flyin Optronics' D2x2 Bypass Mechanical LGX Optical Switch is based on Advanced Optoelectronic Integrated Technology. The D2x2B Mechanical LGX optical switch can protect from network failures and is easy to implement network maintenance. With the development of optical communication, Optical Switch device is the key to a new generation of all-optical network in near future.

Flyin Optronics' D2x2B LGX optical switch provides excellent performance on your network and posses compact package and competitive cost. It supports all wavelength at 850nm and 1260nm~1650nm. It can also support 10 /1Gbps fiber Gigabit Ethernet networks.

Features

- Unmatched Low Cost
- Low insertion Loss
- Non-Latching Type
- Available in Single Mode / Multi Mode
- Power on Time delay(0, 60, 120secs)
- LED indicators for Power and optical switch status

Applications

- Ring Network
- Node Bypass Protection
- SDH ADM Ring
- WAN Optimization
- Network Maintenance

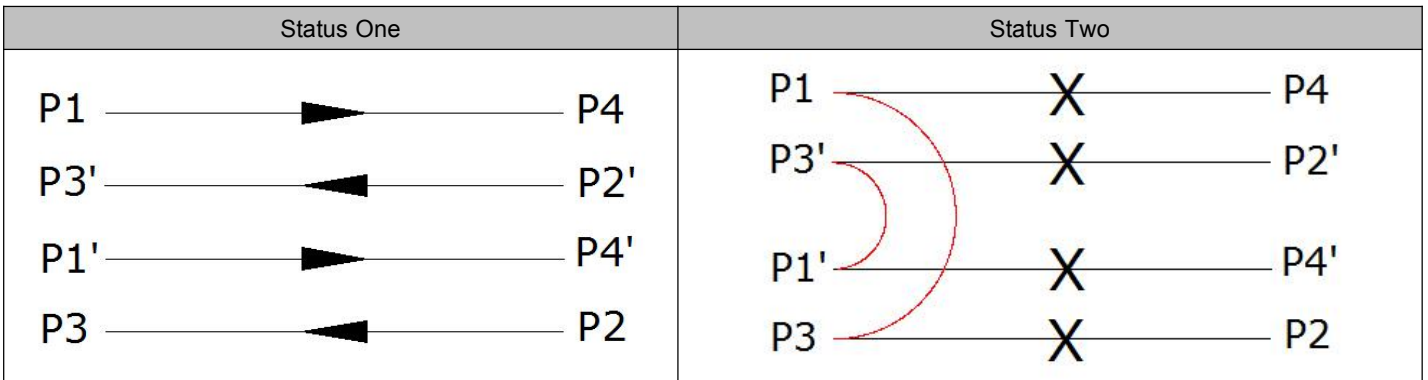
Performance

Parameters	Unit	FY-D2x2B-MM/SM	
Wavelength Range	nm	850±40	1260~1650
OperatingWavelength	nm	850	1310/1550
Insertion Loss	dB	Typ:1.0 Max:1.5	Typ:1.0 Max:1.5
Return Loss	dB	MM≥30	SM≥50
Crosstalk	dB	MM≥35	SM≥55
PDL	dB	≤0.05	
WDL	dB	≤0.25	
TDL	dB	≤0.25	
Repeatability	dB	≤±0.02	
Power supply	V	USB DC: 5V	
Power Consumption	W	<2.5	
Lifetime	Time	≥10 ⁷	
Switch Time	ms	≤8	
Delay after power restart	s	0, 60, 120	
Transmission Power	mW	≤500	

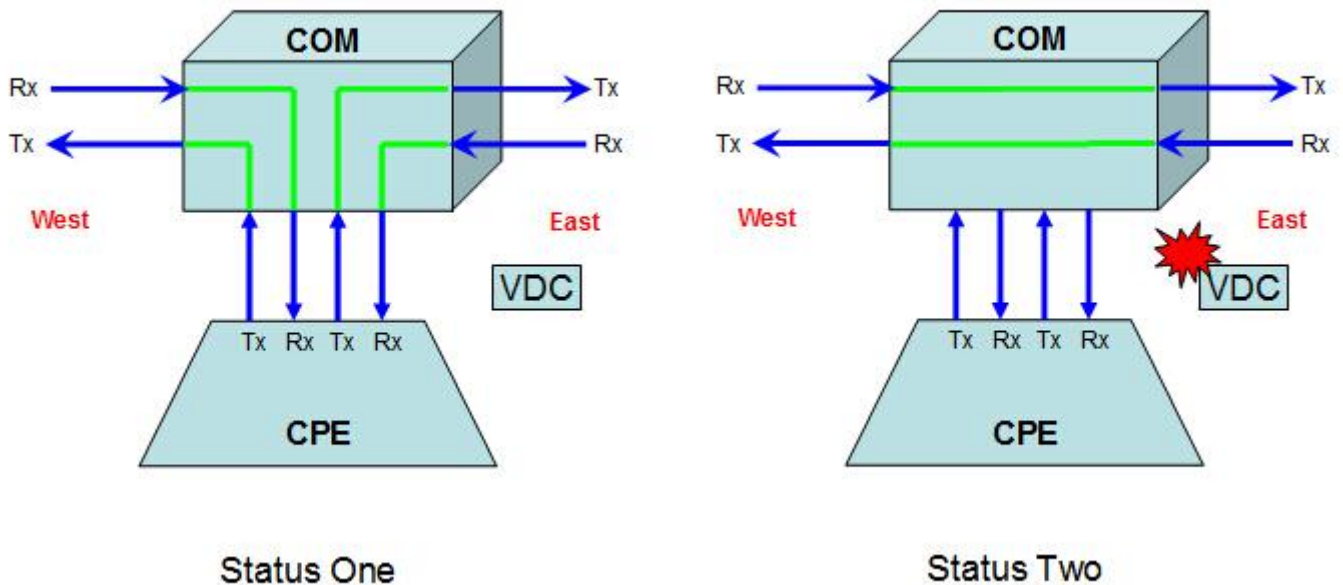
Operating Temperature	℃	-5~+70
Storage Temperature	℃	-5~+85
Operating Humidity	%RH	5~85
Storage Humidity	%RH	5~85
Weight	g	250
Dimension	mm	(L)130.0×(W)102.0×(H)30.0

1. Optical parameters excluded connectors.
2. The product weight excluded optical connectors.

Optical Route



Application Example



Ordering Information

Type	Mode	Wavelength	Voltage Type	Control Model	Fiber Type	Fiber Diameter	Connector
LGX D2x2B	S=SM	85= 850	3=3V	N=Non- Latching	5=50/125	25=250um	O=None
	M=MM	13=1310	5=5V		6=62.5/125	90=900um	1=FC/PC
		15=1550			9= 9/125	loose tube	2= FC/APC
		13/15=1310/1550			X=Others	X=Others	3=SC/PC
		X:Others					4= SC/APC
					5=ST/PC		
						6=LC/PC	
						7=LC/APC	
						X: Others	