

Product Information

Model number: MagLight PFMSS14XXXXXX Series

Description: 1x4 Magneto-Optic Switch

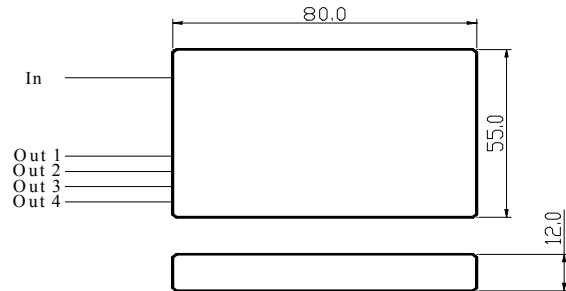
Selected Applications

- High Speed Protection Switching
- System Monitoring
- Test and Measurement
- Sub-system Modules

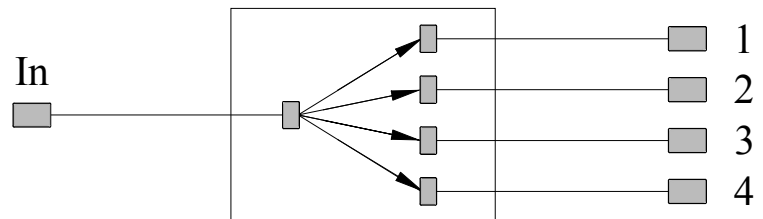
Selected Features

- Best Reliability, No Moving Parts
- Ultra Compact Size
- Ultra Fast Switching Speed
- Extremely Stable Latching Mode
- Low Power Consumption

Schematic Diagram (unit: mm)



Device Configuration



Optical Specifications

Parameters					Unit
Wavelength	C Band		L Band		
	Typical	Max	Typical	Max	
Insertion Loss	1.5	2.0	1.7	2.0	dB
Durability	> 2 Billions	NA	> 2 Billions	NA	Cycles
Cross Talk	-50	-45	-50	-45	dB
PDL	0.08	0.15	0.08	0.15	dB
PMD	0.05	0.1	0.05	0.1	ps
Return Loss	55	50	55	50	dB
Optical Power	500	NA	500	NA	mW
Switching Speed	0.2	0.4	0.2	0.4	mS
Repeatability	NA	±0.02	NA	±0.02	dB

Mechanical Specifications

Parameters	Range	Unit
Fiber Type	SMF 28	
Fiber Length	100 ± 5	cm
Connector	Optional	

Electrical Specifications

Parameters	Range	Unit
Switching Voltage	4.5 ~ 5.5	V
Switching Current	<300	mA
Pulse Duration	<0.5	ms

Environmental Specifications

Parameters	Range	Unit
Operation Temperature	0 ~ 65	°C
Storage Temperature	-40 ~ 85	°C
Humidity	0 ~ 85%	RH

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