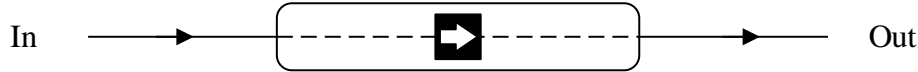


Product: Mini Isolator

Part Number	Spec Number	Version	Date
MISOXXXXXXXXXXXX	S020	Rev 01	08/09/2024

1 Function Diagram



2 Specifications

2.1 Environment Conditions

Item	Parameters	Symbol	Min	Typ	Max	Units	Note
1.	Operating Temperature	Top	0		70	°C	
2.	Storage Temperature	Tstor	-40		85	°C	
3.	Operating Relative Humidity	RHop	5		95	%	[1]
4.	Storage Relative Humidity	RHstor	5		95	%	[1]

Note:

[1] Not to exceed industrial standard of 0.024 kg water per kg of dry air under non-condensing conditions.

2.2 Optical Specifications

Item	Parameters	Symbol	Min	Typ	Max	Units	Note
5.	Operating Wavelength		1528 ~ 1568			nm	
6.	Insertion Loss @λop	Single	IL		0.5	dB	
		Dual	IL		0.6	dB	
7.	Isolation @λop	Single	Iso	20		dB	
		Dual	Iso	36		dB	
8.	Polarization Dependent Loss	PDL			0.15	dB	
9.	Return Loss (Both Ports)	RL	50			dB	
10.	Polarization Mode Dispersion	Single	PMD		0.25	ps	G
		Dual	PMD		0.05	ps	G
11.	Optical Power	Pop			500	mW	G

Note:

*Above specifications are for device without connector. IL is 0.3 dB higher, RL is 5 dB lower after connector added.

G: Guaranteed by design.

2.3 Mechanical Specifications

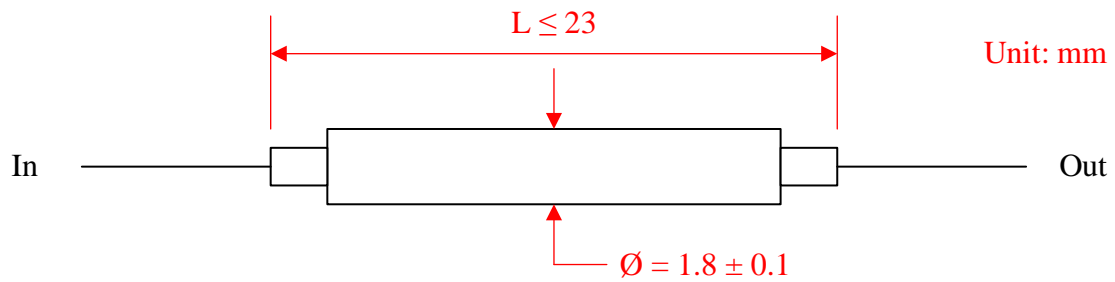
2.3.1 Specifications

Item	Parameters	Symbol	Min	Typ	Max	Units	Note
12.	Fiber Type			By PN			
13.	Fiber Length			By PN		m	
14.	Fiber Jacket			Bare fiber			
15.	Connector Type			By PN			
16.	Package Dimension		∅=1.8 ± 0.1 × L≤23			mm	
17.	Fiber Color	In		Black			
		Out		Natural			

Note:

[2] Mark the bare fiber starting at 10 ~ 30cm away from the device body to fiber end.

2.3.2 Drawing



3 Device Label, Delivery Data

Triple-Stone standard format.

4 RoHS

RoHS compliant.

5 Ordering Information

