



In-Line Polarizer (ILP Series)

Spec Review No.: SR17734

Description

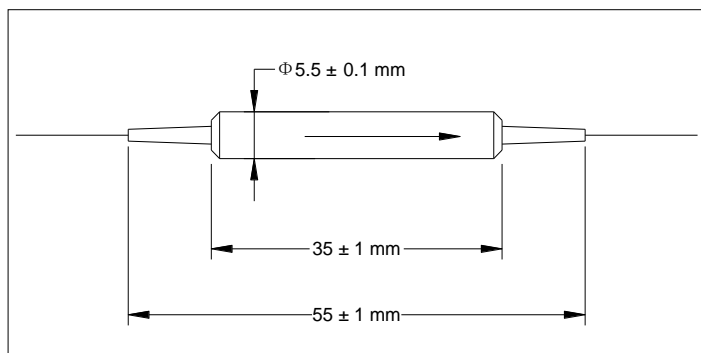
The In-Line Polarizer is designed to pass light with one specific polarization while blocking the other polarization. It can be used to convert unpolarized light into polarized light with high extinction ratio. It can also be used to enhance the extinction ratio of signals with its excellent polarization properties. It is ideal for high speed communication systems and test instrumentations where high polarization extinction ratio is required.

Specifications

Parameter	Unit	Value		
Center Wavelength (λ_c)	nm	800	1064	1310
Operating Wavelength Range	nm	± 50	± 50	± 50
Max. Insertion Loss	dB	1	0.8	0.6
Max. WDL, 23 °C	dB	1	0.5	0.3
Typ. Extinction Ratio, 23 °C	dB	28	30	30
Min. Extinction Ratio, 23 °C	dB	25	27	28
Min. Return Loss	dB		50	
Max. Optical Power (Continuous Wave)	mW		300	
Max. Tensile Load	N		5	
Operating Temperature	°C		- 5 to + 70	
Storage Temperature	°C		- 40 to + 85	

¹IL is 0.5 dB higher, RL is 5 dB lower and ER is 2 dB lower for each connector. Connector key is aligned to slow axis.

Package Dimensions



Ordering Information

ILP-①①①-②-③-④-⑤

①①①①: Wavelength	②: Connector	③: Fiber Jacket	④: Fiber Type (Input/Output)	⑤: Fiber Length
80 - 800 nm	Type 1 - FC/UPC	B - 250 μ m Bare Fiber	1 - PM/PM	Q - 0.75 m
1064 - 1064 nm	2 - FC/APC	L - 900 μ m Loose Tube	2 - SMF/PM	S - Specify
1310 - 1310 nm	3 - SC/UPC	S - Specify	3 - SMF/SMF	
SS - Specify	4 - SC/APC			
	N - None			