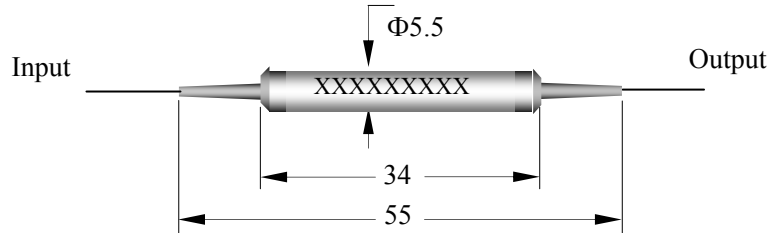


## In-line Polarizer (ILP-850nm)

### 1. Features:

- Low insertion loss
- High extinction ratio
- High Return Loss
- Excellent environmental stability and reliability



### 2. Applications:

- Fiber Laser
- Fiber Sensor
- Communication System
- Test Instrumentations
- Polarization maintaining optical system



### 3. Compliance:

- Telcordia GR-1209-CORE
- Telcordia GR-1221-CORE
- RoHS

#### 4. Specifications:

Parameter	Unit	Values
Operating wavelength	nm	850±20
Typ. Insertion Loss at 23℃	dB	≤0.7
Insertion Loss at -5℃~50℃	dB	≤1.0
Typ. Extinction Ratio	dB	30
Extinction Ratio	dB	≥28
Return Loss (Input/Output)	dB	≥50/50
Fiber type (Input-output)	—	Option1: PM850-PM850 Option2: HI780-PM850 Option3: HI780-HI780
Operating temperature	℃	-5~70
Storage temperature	℃	-40~85
Input power	mw	≤300
Dimensions	mm	Φ5.5× L35

\*The specifications are w/o connector.

\* For devices with connectors, 0.3dB higher for IL, 5dB lower for RL and 2dB lower for ER.

\* For device with connector, key aligned to slow axis.

#### 5. Product Ordering information:

ILP	X X	X	X	X	X	XX	XX
IL=In-line	Operating Wavelength	Pigtail Type	Fiber Type	Input Connector Type	Output Connector Type	Package Size	Fiber Length
P=Polarizer	06=1064nm	0=250um	1=Option1	0=None	0=None	34=Φ5.5×L34	05=0.5m
	98=980nm	1=900um	2=Option2	1=FC/UFC	1=FC/UFC	35=Φ5.5×L35	08=0.8m
	85=850nm	2=2mm	3=Option3	2=FC/APC	2=FC/APC	38=Φ5.5×L38	10=1.0m
		3=3mm		3=SC/UPC	3=SC/UPC		12=1.2m
				4=SC/APC	4=SC/APC		
				5=LC/UPC	5=LC/UPC		
				6=LC/APC	6=LC/APC		

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