

630nm Online Polarizer FC/UPC



- **Product Description**

630nm on-line polarizer, designed to pass specified polarized light and block other polarized light. Its function is to convert non-polarized light into linearly polarized light to achieve high extinction ratio.

- **Product features**

High extinction ratio; Low insertion loss; Compact online design; Excellent temperature stability; Plug and Play

- **Part Number**

MP-ILP-633-26-SU-PU

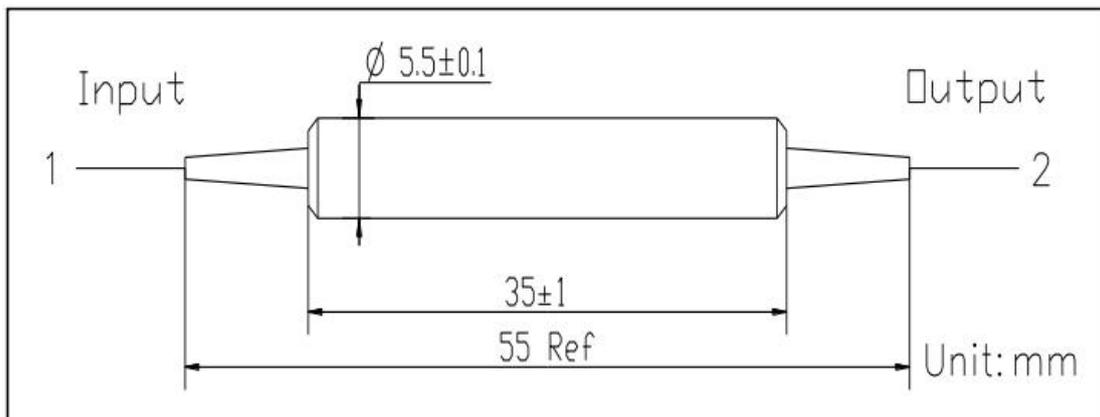
- **Application area**

Laser Processing System | Fluorescence Spectroscopy Analysis | Biomedical Imaging | Quantum Optics Experiment | Precision Optical Measurement

- **Core parameters**

Wavelength	Wavelength Range	Connector
630nm	$\pm 20\text{nm}$	FC/UPC

- **Dimension Drawing**



● General Parameters

Parameter:

Parameters	Unit	Values	
Central wavelength	nm	532	630
Operating wavelength range	nm	± 20	
Typ. Insertion loss	dB	1.8	1.6
Max. Insertion loss	dB	2	1.8
Min. Return loss	dB	50	
Typ. Extinction ratio	dB	26	
Min. Extinction ratio (input to output)	dB	24	
Min. Extinction ratio (output to input)	dB	20	
Min. PDL (only for SM fiber at all ports)	dB	18	
Max. Optical power (CW)	mW	100 (only for Splitter) For splitters only	
Max. Tensile load	N	5	



Fiber type		Nuferm PM460-HP or Nufern 460-HP Fiber	Nuferm PM630-HP or Nufern 630-HP Fiber
Operating temperature	°C	-5 to+70	
Storage temperature	°C	-40 to+85	

The above specifications are for devices without connectors.

*For devices with connectors, IL will be 1.5dB higher, RL will be 5dB lower, and ER will be 2dB lower.

*PM fiber and connector keys are aligned with the slow axis.

*Material must be RoHS compliant.

Order Info:

MP-ILP-①①-②②-③③-④④-⑤

①①: Wavelength	②②: Connector Type on Port 1 & 2	③③: Fiber Jacket on Port 1 & Port 2	⑤: Fiber Length
532 - 532nm	1 - FC/UPC	B - Bare Fiber	1 - 1.0m



630 - 630nm	2 - FC/APC	L - 900um Loose Tube	S - Specify
S - Specify	3 - SC/UPC	S - Specify	
	4 - SC/APC		
	N - None S - Specify	④④: Fiber Type on Port 1 & 2 1 - Nufern PM 460-HP Fiber	
		2 - Nufern 460-HP Fiber	
		3 - Nufern PM 630-HP Fiber	
		4- Nufern 630-HP Fiber	