WaveSource Photonics, Inc.

High Power In-line Polarizer

For Fiber Laser Oscillators, High Power Fiber Lasers, and Amplifiers

WSP's High Power In-line Polarizers are designed to pass one specific linear polarization light while blocking the other polarizations. WSP's in-line polarizer can effectively convert non-polarized light into polarized light with high polarization extinction ratio (PER) with extremely low insertion loss. It guarantees a high PER linear polarization output by effectively suppress the unwanted polarization states and eliminate instabilities by polarization state hopping.

WSP's high power in-line polarizer can work under high power condition with exceptional low excess loss and high PER. They are available at various wavelengths and fiber types (SMF, LMAF).

WSP can provide customized designs to meet specialized applications.

Features:

- Low insertion loss
- High polarization extinction ratio
- High power handling
- High stability and reliability
- Integration with other functions are available
- Extremely high power version available

Applications:

- High power polarization fiber lasers and amplifiers

Technical Data

Parameter	Unit	Specifications			
Operating Wavelength	nm	1310, 1550	1064, 1310	980	850
Operating Wavelength Range	nm	+/- 50	+/- 30	+/- 10	+/- 10
Input Fber		PM15, PM13, SMF28, single-& double-clad LMA, PM or Non-PM, or specify	PM98, HI1060, single- & double-clad LMA, PM or Non-PM, or specify	PM98, HI1060, single- & double-clad LMA, PM or Non-PM, or specify	PM850, PM780 single- & double-clad LMA, PM or Non-PM, or specify
Output Fiber		PM15, PM13, single-& double-clad PM-LMA, or specify	PM98, single-& double-clad PM-LMA, or specify	PM98, single-& double-clad PM-LMA, or specify	PM850, PM780 single-& double-clad PM-LMA, or specify
Typical Extinction Ratio*	dB	>28	>28	>25	>25
Retrun Loss	dB	>50	>50	>50	>50
Power Handling	W	20, 10	20, 10	10, 5	10, 5
Dimension	mm	60x12x10			
Operating Temperature			-5	70	

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