

Introduction



CSRAYZER's **Hybrid Polarization Maintaining Wavelength Division Multiplexing Isolator**, is a micro hybrid optic component with low insertion loss, high isolation, high return loss, low extinction ratio and excellent environmental stability and reliability. It is ideal for amplifiers, fiber lasers and test instrument applications.



Specification

Parameters	Unit	Single Stage	Dual Stage
Wavelength	Nm	1550 or Specify	
Operating Wavelength Range	Nm	±20	
Typical Insertion Loss Pass-common	dB	0.7	0.8
Max. Insertion Loss Pass-common	dB	0.9	1.0
Typ. Insertion Loss	dB	0.5	0.6
Typ. Isolation	dB	30	48
Pump Wavelength Range	Nm	980±15 / 1480±20	
Min. Return Loss	dB	50	
Min. Extinction Ratio	dB	20	
Handling Average Optical Power	Mw	500	
Max. Tensile Load	N	5	
Fiber Type		PM1550 or Specify	
Operating Temperature	°C	-45 to +75°C	
Storage Temperature	°C	-55 to +85°C	

*IL is 0.3 dB higher, RL is 5 dB lower, and ER is 2 dB lower for each connector added. Connector key is aligned to slow axis.

*Above specifications are for device without connector and may change without notice.

Ordering Information

PMIWDM-①-②-③-④-⑤-⑥-⑦-⑧-⑨

①Signal Wavelength	②Pump Wavelength	③Stage	④Pump Direction	⑤Fiber Length	⑥Fiber Jacket	⑦Connector	⑧Working Axis
1064-1064nm	980-980nm	S-Single Stage	F-Forward Pump	1-1M	0-Bare Fiber	FU-FC/PC	F-Fast Axis Blocked
1550-1550nm	1480-1480nm	D-Dual Stage	F-Backward Pump	S-Specify	1-900µm Fiber	FA-FC/APC	B-Both Axis Blocked
						N-None	