

## Introduction

CSRAYZER'S Hybrid Single Mode Isolator WDM package, combined an Isolator with WDM, is a micro optic component with low insertion loss, high isolation, high return loss, and excellent environmental stability and reliability, widely used in fiber amplifiers, ASE, fiber lasers, line terminations, optical network units and CATV fiber systems.



## Specification

Parameters	Unit	Single Stage	Dual Stage
Signal Wavelength	Nm	1550	
Operating Wavelength Range	Nm	±20	
Typical Insertion Loss@Pump Port	dB	0.7	0.8
Max. Insertion Loss@Pump Port	dB	0.9	1.0
Typ. Insertion Loss@Signal Port	dB	0.5	0.6
Typ. Isolation	dB	30	48
Polarization Dependent Loss	dB	≤0.2/0.1	
Temperature Dependent Loss	dB	≤0.2/0.15	
Pump Wavelength Range	Nm	980±15 / 1480±20	
Min. Return Loss	dB	50	
Handling Average Optical Power	Mw	500	
Max. Tensile Load	N	5	
Fiber Type		SMF28e / Hi1060 / Specify	
Operating Temperature	°C	-5 to +75°C	
Storage Temperature	°C	-40 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

IWDM-①-②-③-④-⑤-⑥-⑦-⑧-⑨-⑩

①Signal Wavelength	②Stage	③Pump Direction	④Package Dimension	⑤Fiber Type	⑥Fiber Length	⑦Fiber Jacket	⑧Connector	⑨Working Axis	⑩Power Type
980/1064—T980nm/R1064nm	S-Single Stage	F-Forward Pump	C1-5.5*35mm	SMF28e	0.8-0.8M	0-Bare Fiber	N-None	F-Fast Axis Blocked	C-Continuous
1064/980—T1064nm/R980nm	D-Dual Stage	F-Backward Pump	S-Specify	Hi1060	S-Specify	1-900μm Fiber Loose Tube	FU-FC/PC	B-Both Axis Blocked	P-Pulse
1550/980—T1550				S-Specify			FA-FC/APC		
S-Specify									