

Semi-double Stage Isolator

Finisar free space isolators offer excellent performance with low insertion loss and high isolation. Our proprietary bonding process, and years of volume manufacturing experience, results in a high reliability record. Bare isolator chips survive more than 5,000hrs of damp heat testing without delamination.

Features:

- High reliability
- Low insertion loss
- High isolation
- Optimized for different wavelengths (1480nm, 1520nm, 1560nm, 1600nm)
- Wide operating temperature range

Applications:

- The semi-double stage free space isolators are used in various TOSAs, which require higher isolation to prevent feedback into the laser.

Specifications:

Parameters	Units	Specification			
CWL	nm	1480	1520	1560	1600
Operating wavelength	nm	1465-1600	1500-1540	1540-1580	1580-1620
Insertion loss	dB	< 0.6			
Min. Isolation *	dB	> 40			
Isolation at center wavelength	dB	>45 dB @ 23°C			
Clear aperture	mm	> 0.85 diameter			
Tilt angle	DEG	6 +/- 1			
Reflection	dB	< -24			
Operating temperature	°C	-35 to +90			
Storage temperature	°C	-40 to +100			

*Note: Over all wavelengths and temperatures.

Ordering Information:

1480 Semi-stage isolator: 1022777

1520 Semi-stage isolator: 1022778

1560 Semi-stage isolator: 1022779

1600 Semi-stage isolator: 1022780

Mounting Dimensions (for reference only): (Unit:mm)

