

Free Space Isolator Epoxy (GK-FSIE Series)

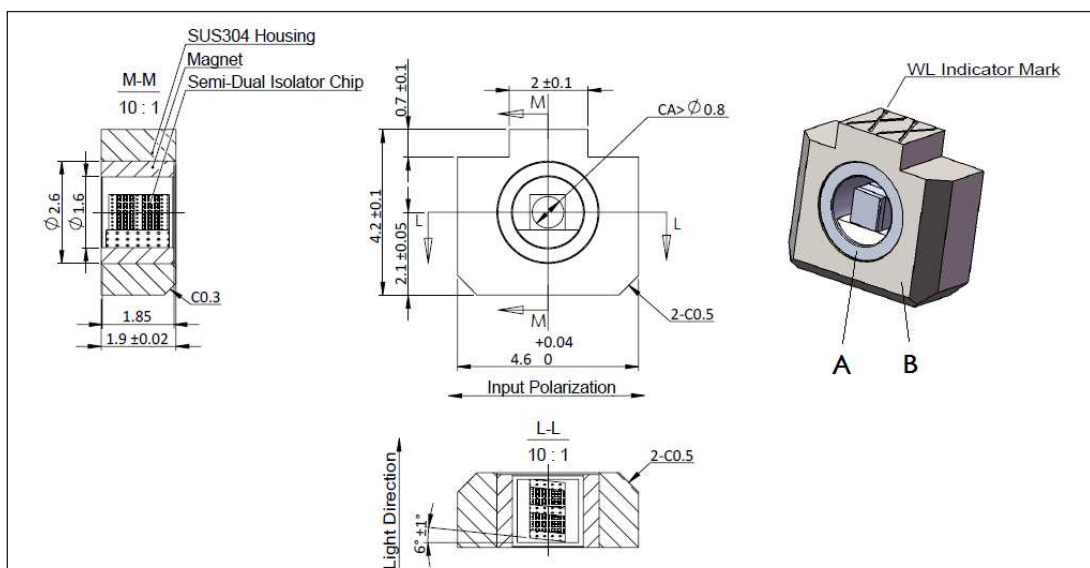
● Description

The Free Space Isolator Epoxy is designed for integration within laser diode package to prevent back reflection. The high isolation, low insertion loss and large aperture features make it flexible to fit with different diode laser packaging requirements.

● Specifications

Parameter	Unit	Single Stage	Dual Stage
Center Wavelength (λ_c)	nm	1310,	1550
Typ. Insertion Loss	dB	0.12,	0.20
Max. Insertion Loss	dB	0.30,	0.50
Peak Isolation	dB	40,	55
Min. Isolation, 23 °C	dB	30,	40
Clear Aperture	mm	0.4 - 0.9	
Max. Optical Power (Continuous Wave)	mW	300	
Polarization Plane of Input	-	As Indicated	
Tilt Angle of Input Plane	degree	6	
Operating Temperature	°C	0 to + 60	
Storage Temperature	°C	- 40 to + 85	

● Package Dimensions



● Ordering Information

GK-FSIE-①-②-③-④

①: Stage

- 1 - Single Stage
- 2 - Semi-Double Stage

②: Wavelength

- 31 - 1310 nm
- 48 - 1480 nm
- 55 - 1550 nm
- SS - Specify

③: Clear Aperture

- 07 - Φ 0.7 mm
- 08 - Φ 0.8 mm
- 09 - Φ 0.9 mm
- SS - Specify

④: Package

- 1 - Φ 2.6 × Φ 1.6 × 1.85 mm Magnet, no Housing (Refer to A)
- 2 - Φ 2.2 × Φ 1.6 × 1.7 mm Magnet, no Housing
- 3 - 4.6 × 1.9 × 4.2 - Φ 2.6 mm Housing (Refer to B)
- 4 - 3.5 × 1.7 × 3.85 - Φ 2.2 mm Housing
- S - Specify