

## Free Space Isolator Epoxy (FSIE Series)

Rev 11

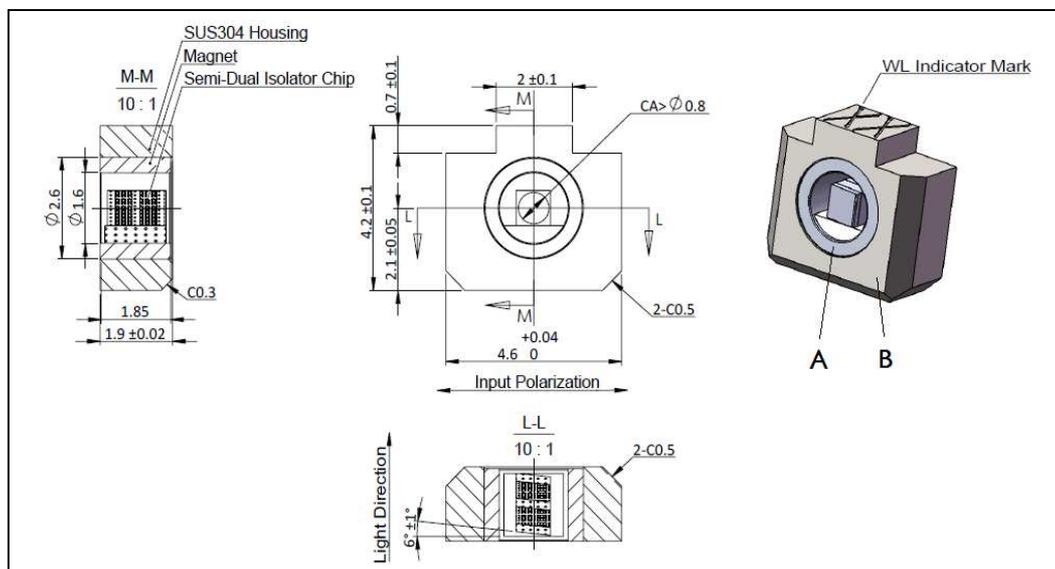
### Description

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 ( $\lambda_c$ )	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

#### FSIE-①-②②-③③-④

①: Stage	②②: Wavelength	③③: Clear Aperture	④: Package
1 - Single Stage	31 - 1310 nm	07 - $\Phi$ 0.7 mm	1 - $\Phi$ 2.6 × $\Phi$ 1.6 × 1.85 mm Magnet, no Housing (Refer to A)
2 - Semi-Double Stage	48 - 1480 nm	08 - $\Phi$ 0.8 mm	2 - $\Phi$ 2.2 × $\Phi$ 1.6 × 1.7 mm Magnet, no Housing
	55 - 1550 nm	09 - $\Phi$ 0.9 mm	3 - 4.6 × 1.9 × 4.2 - $\Phi$ 2.6 mm Housing (Refer to B)
	SS - Specify	SS - Specify	4 - 3.5 × 1.7 × 3.85 - $\Phi$ 2.2 mm Housing
			S - Specify