



**Polarization independent/converging optical isolator :**

**Polarization independent/converging optical isolator**

**Polarization Independent/Converging Light Free Space Optical Isolator**

**main feature:**

Polarization Independent/Concentrated Light Applications

Low Polarization Dependent Loss PDL

Low insertion loss IL

high isolation

compact size

**Typical application:**

SOA device

Coherent TOSA above 100G

100G and above rate ROSA (PIN+SOA solution)

SLD, SLED

Lidar (FMCW + SOA solution)

Other Polarization-Independent Applications

**Product parameters :**

parameter		unit	Specification
Center wavelength ( $\lambda_c$ )		nm	1310, 1550 and other wavelengths
bandwidth		nm	$\pm 20$
Isolation ISO ( $\lambda_c$ at 25°C)	Min	dB	30
Insertion loss IL ( $\lambda_c$ at 25°C)	Max	dB	0.3
Polarization dependent loss PDL ( $\lambda_c$ at 25°C)	Max	dB	0.4
Isolation core (Core) size (CA)		mm	0.6, 0.8
withstand power	Max	mW	300
Isolation core (Core) placement angle	Typical	°	7
Operating temperature		°C	-40 to +85
storage temperature		°C	-40 to +85
size		mm	Round: $\Phi 1.8 \times 1.5$ mm, CA: 0.6mm U-shape: 1.8 (L) $\times$ 1.4 (W) $\times$ 1.5 (H), CA: 0.8mm
Marking (direction of incidence, wavelength, direction of cutting angle)			According to customer needs
RoHS			RoHS Compliant