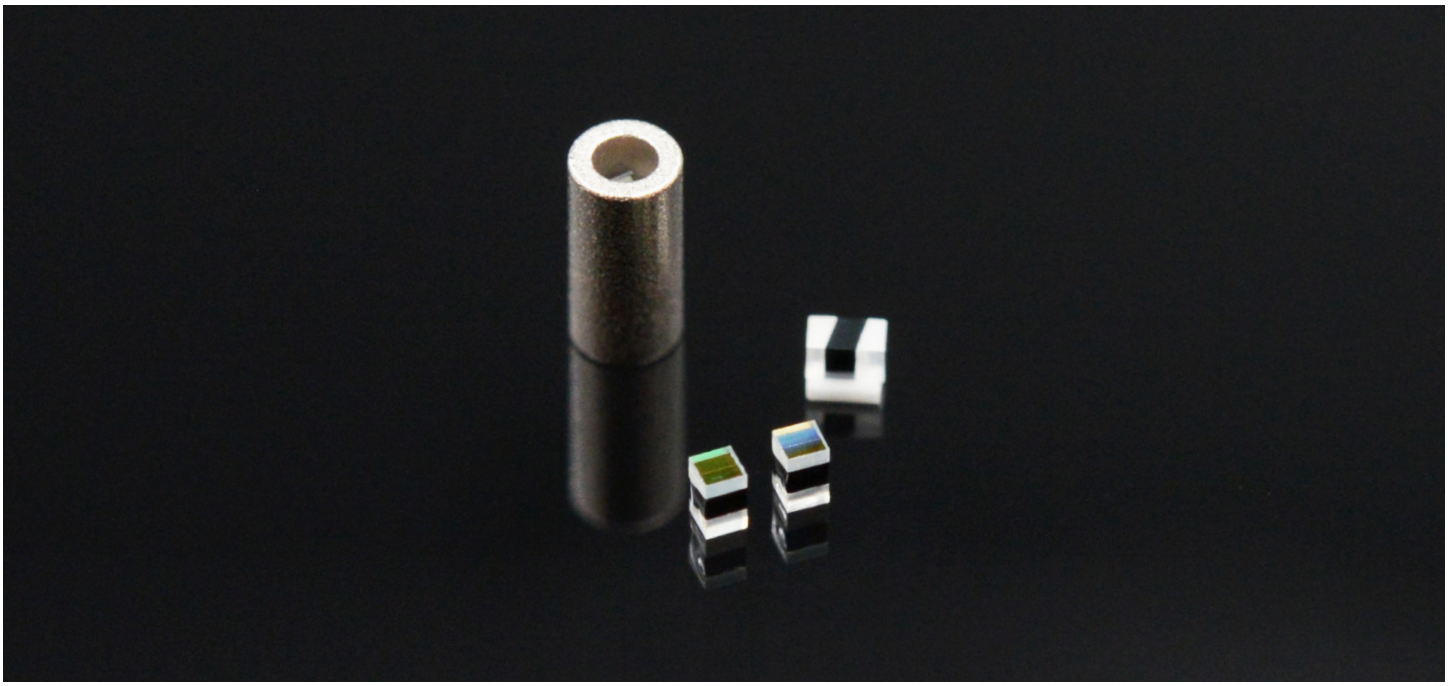
Optical Communications

POLARIZATION INDEPENDENT ISOLATOR CORE

Coherent's isolator core, the compact size and optical path epoxy-free design allow the produce to have excellent reliability and enable in next level integration.



FEATURES

- Low Insertion Loss
- Compact Size
- High Isolation
- Latching/non-latching type
- RoHS compliant

APPLICATIONS

- Optical transmitter
- Isolator
- Laser Module
- Integrated Device

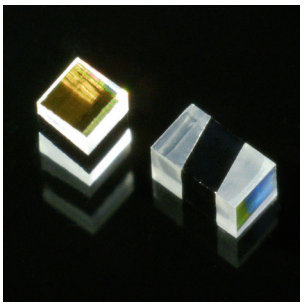
COHERENT

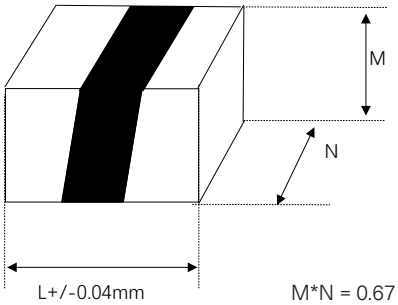
Specifications

Parameter		Unit	Single Stage	PMD Compensated	Dual stage
Operating Central Wavelength (λc)		nm	1310, 1550		
Insertion Loss (λc, RT)	Max.	dB	0.15	0.15	0.25
Isolation (λc, RT)	Min.	dB	28	28	38
PDL (λc, RT)	Max.	dB	0.05	0.05	0.05
PMD (DG)	Max.	ps	0.2	0.05	0.05

Dimensions

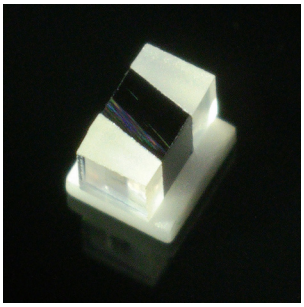
Latching core

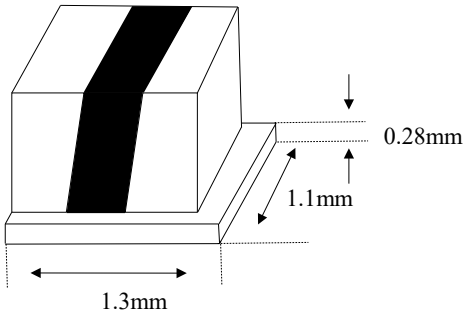




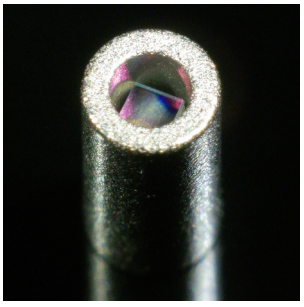
M*N = 0.67 mm*0.67 mm or customized

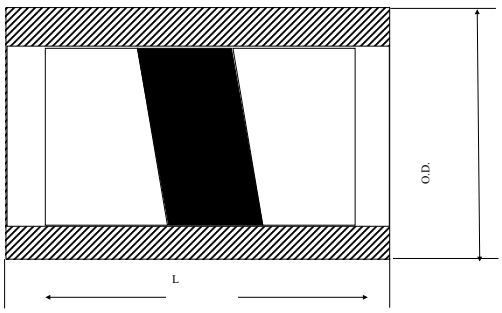
SMT (latching core+ ceramic substrate)





Ringed





O.D*L = 1.80 mm*3.60 mm or customized

Ordering Information

IFSI - X - XX - XXXX - XXX*YYY
A B C D

A	Type	L = Latching core S = SMT R = Ringed O = Other
B	Fiber Type	SS = Single stage DS = Dual stage C = PMD S = Other
C	Wavelength	1310 = 1310 nm 1550 = 1550 nm S = Other
D	Packing Type	For latching & SMT XXX*YYY = M*N, e.g. 067 = 0.67 mm*0.67 mm,160080 = 1.60 mm*0.80 mm For Ringed XXX*YYY = O.D*L, e.g. 180360 = 1.80 mm*3.60 mm

photonics.sales@coherent.com
www.coherent.com