

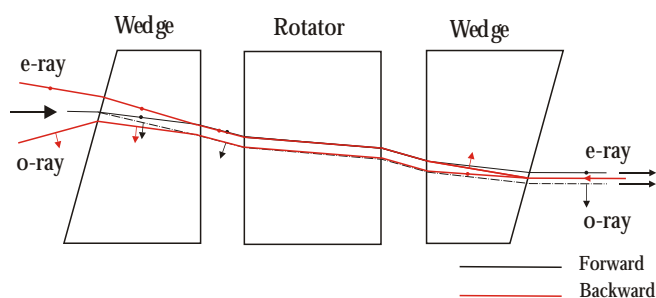
Isolator Core

Features:

- Wide Operating Wavelength & Temperature Range
- Low Insertion Loss & High Isolation
- Low PDL & PMD
- RoHS Compliant

Applications:

- Isolator
- Laser Module
- Integrated Device



Specifications¹:

Parameter	Unit	Single Stage	PMD Compensated	Dual Stage
Central Wavelength (l c)	nm	1310, 1550, 1590		
Peak Isolation (23°C, All SOP)	Min. dB	42	42	56
Isolation (l c +/-15nm, 23°C, All SOP)	Min. dB	32 ²	32 ²	46
Insertion Loss (l c, 23°C, All SOP)	Max. dB	0.12	0.15	0.25
PDL (l c, 23°C)	Max. dB	0.05	0.05	0.05
PMD	Max. ps	0.20	0.05	0.05
O.D.	mm	3.00 +/- 0.05		
I.D.	mm	1.81 +/- 0.01		
L	mm	4.0	4.0	4.0
Clear Aperture	Min. mm	(f)0.8		

1. SOP=State of Polarization.

2. Isolation is 31dB for 1310nm

Note: OEM products with different specifications are also available.

Dimension:

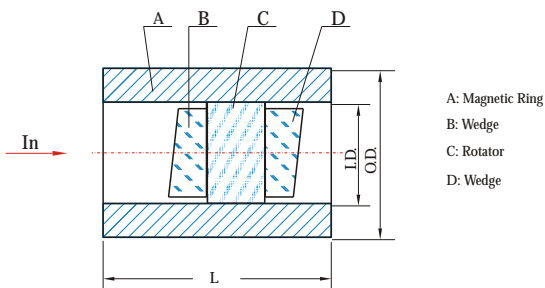


Figure 1. Isolator Core

Order Information:

KISC - $\frac{X}{A}$ - $\frac{X}{B}$ - $\frac{XXXX}{C}$

A	Grade	A= Grade 2A ²
		S= Custom
B	Type	S=Single stage
		C=PMD compensated
		D=Dual stage
C	Wavelength	1310=1310nm
		1550=1550nm
		1590=1590nm