

Free Space Isolator

Features

- High Isolation and low insertion loss
- Polarization Dependent
- Compact size
- RoHS 6/6 compliant



Applications

- Optical Transmitter
- Laser Diode Package

Specifications (Standard) Single stage

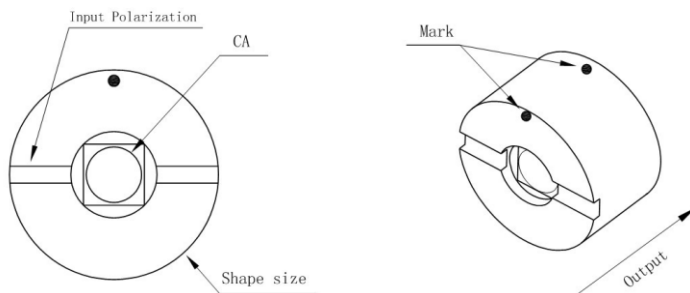
Parameter	Unit	P Grade	A Grade
Center Wavelength (λ_c)	nm	1310 or 1550 and CWDM	
Peak Isolation (λ at 25°C)	Min dB	40	38
Bandwidth isolation ($\lambda_c \pm 15\text{nm}$ at 25°C)	Min dB	32	30
Insertion Loss (λ at 25°C)	Max dB	0.20	0.25
Bandwidth Insertion Loss ($\lambda_c \pm 15\text{nm}$ at 25°C)	Max dB	0.30	0.35
Clear Aperture	mm	ϕ 0.9 or other	
Optical Power	Max mW	300	
Operating Temperature	°C	-40 to +95	
Storage Temperature	°C	-40 to +95	

Specifications (Standard) Dual stage

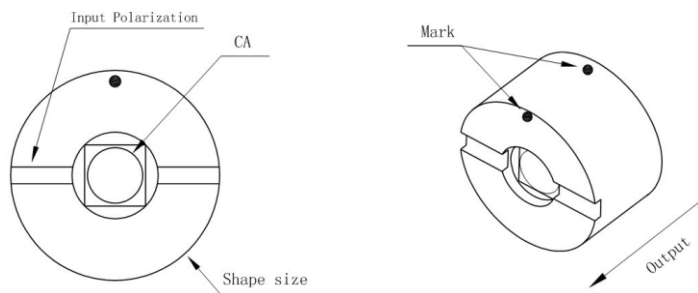
Parameter	Unit	P Grade	A Grade
Center Wavelength (λ_c)	nm	1310 or 1550 and CWDM	
Peak Isolation (λ_c at 23°C)	Min dB	60	55
Bandwidth isolation ($\lambda_c \pm 30\text{nm}$ at 23°C)	Min dB	42	40
Insertion Loss (λ_c at 23°C)	Max dB	0.40	0.50
Bandwidth Insertion Loss ($\lambda_c \pm 30\text{nm}$ at 23°C)	Max dB	0.50	0.60
Clear Aperture	mm	ϕ 0.9 or others	
Optical Power	Max mW	300	
Operating Temperature	°C	-40 to +85	
Storage Temperature	°C	-40 to +95	

Dimension

Z



F



Ordering Information: FSI—A—B—C—DE—FG—HI—J

A	Single/Dual Stage	S: Single stage		
		D: Dual stage		
B	λ	Z: Positive	F: In reverse	
C	Grade	P: P-grade	A: A-grade	
DE	Center Wavelength	31: 1310nm		
		55: 1550nm		
		49: 1490nm XX: Customized		
FG	Size	01: ϕ 2.5*L1.1mm	02: ϕ 2.5*L1.4mm	03: ϕ 2.5*L2.0mm
		04: ϕ 2.99*L1.4mm	05: 3.5*3.4*L1.3mm	06: ϕ 2.99*L3.0mm
		07: ϕ 2.1*L1.25mm	08: 2.5*2.15*L1.4mm	09: 0.92*0.92mm(PGP)
		10: ϕ 2.99*L2.0mm	11: ϕ 3.2*L1.4mm	12: 4.0 *3.6*1.4
		13: ϕ 1.8*L1.1mm	14: ϕ 2.99*L1.25mm	15: ϕ 2.2*L1.2mm
		16: ϕ 1.5*L1.0mm	17: ϕ 2.5*L1.11.6) mm	18 : ϕ 2.5*L1.1 (PG) mm
		XX: Customized		
HI	CA	50: CA $\geq \phi$ 0.5mm	55: CA $\geq \phi$ 0.55mm	60: CA $\geq \phi$ 0.6mm
		65: CA $\geq \phi$ 0.65mm	70: CA $\geq \phi$ 0.7mm	80: CA $\geq \phi$ 0.8mm
		85: CA $\geq \phi$ 0.85mm	90: CA $\geq \phi$ 0.9mm	X: Customized
J	Angle	0 : 0 degree	6 : 6 degree	7 : 7 degree
		8 : 8 degree	X: Customized	