

## Large CA Polarization Sensitive Free Space Isolator

The Large Clear Aperture Polarization Sensitive Free Space Isolators are passive optical devices that allow light to be transmitted in only one direction. Free space optical isolators do not have an integral connection system. They must be directly mounted to the object that needs isolation.



Inner Diameter: 7.1mm  
Outer Diameter: 10mm  
Height: 5mm

### Features

High Isolation  
Low Insertion Loss  
Large Clear Aperture

### Applications

Fiber Laser  
Optical Transmitter

### Performance Specification

Parameter	Value		Unit
	Single Stage	Dual Stage	
Stage	Single Stage	Dual Stage	
Center Wavelength	1310, 1480, 1550 or CWDM Wavelength		nm
Typ. Insertion Loss at 23°C	0.2	0.4	dB
Max. Insertion Loss at 23°C	0.3	0.5	dB
Typ. Peak Isolation	40	60	dB
Min. Isolation at 23°C	38	55	dB
Clear Aperture	5 or customized		mm
Max. Optical Power (CW)	300		mW
Operating Temperature	-20 to +85		°C
Storage Temperature	-40 to +85		°C

### Note

### Ordering Information

#### LCAFSI-AAAA-B-CC-DD-E

AAAA	B	CC	DD	E
Wavelength	Stage	Min. CA	Rotor Angle	Package Size
1310 - 1310nm	S - Single Stage	30 - 3.0mm	45 - 45°	1 - 10×5.0mm
1480 - 1480nm	D - Dual Stage	50 - 5.0mm	SS - Specify	S - Specify
1550 - 1550nm		SS - Specify		
SSSS - Specify				