



### 1、Description

Free Space Isolator (FSI) utilizes Faraday effect of Magneto optical crystal. It guides optical light in one direction and eliminates back reflection and back scattering in the reverse direction at any polarization state. The unique manufacturing process and optical path epoxy-free design enhance the device's high power handling capability. The devices are characterized with high performance, high reliability and low cost.

### 2、Features

- High Isolation, High reliability
- low insertion loss
- Polarization Dependent
- Compact Size
- RoHS compliant

### 3、Specification

Parameter		Single	Dual
Center Wavelength		1310nm, 1550nm	
Typical Isolation (at 23°C)	Min	40dB	60dB
	Max	38dB	55dB
Isolation (at 23°C)	Min	0.20dB	0.40dB
	Max	0.30dB	0.40dB
Clear Aperture		Φ 0.8mm or customer	
Optical Power	Max	500mW	

**XDK Communication Equipment (Huizhou) Co., Ltd.**

Operating Temperature	-20°C ~ +85°C
Storage Temperature	-40°C ~ +85°C

#### 4、Application

- Optical transmitter & Transceivers
- Laser diode package

