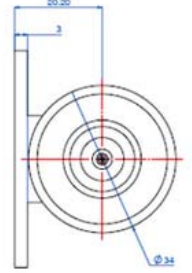
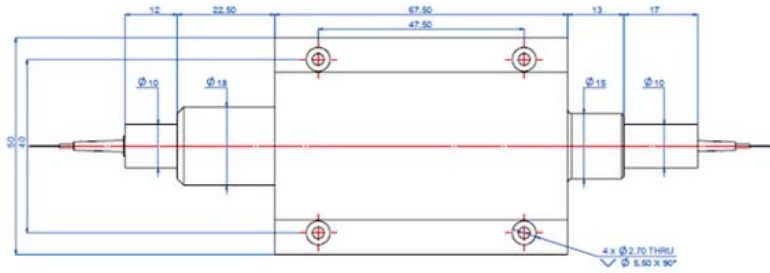
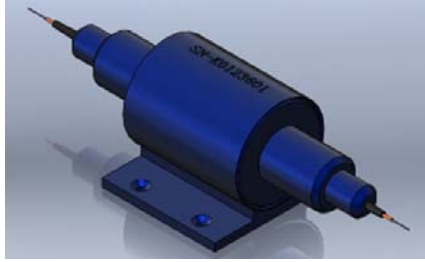




TGG based 1030nm Polarization Insensitive Optical Isolator

The Terbium Gallium Garnet Based 1030nm Optical Isolator is designed and manufactured according to Telcordia standard. The unique manufacturing process and optical path epoxy-free design enhance the device high power handling. The device is characterized with high performance, high reliability and low cost. It has been widely used in lasers, transmitters and other fiber optics communication equipments to suppress back reflection and back scattering.



Features

- ◆ High isolation
- ◆ Low insertion loss
- ◆ Cost Effective
- ◆ Excellent environmental stability and reliability

Applications

- ◆ Optical Fiber Amplifier
- ◆ Pump Laser Source
- ◆ Fiber Optic Sensor
- ◆ Test and Measurement
- ◆ Instrumentation

Performance Specifications

Parameters	Values
Central Wavelength(nm)	1030
Operating Wavelength Range(nm)	±15
Typ. Peak Isolation(dB)	25
Min. Isolation in Band (at 25°C) (dB)	20
Typ. Insertion Loss (dB)	1.0
Max. Insertion Loss (at 25°C) (dB)	1.2
Max. Polarization Dependent Loss(dB)	0.15
Min. Return Loss(dB)	45
Max. Optical Power (Continuous Wave)(mW)	500
Fiber Type	HI1060
Tensile Load(N)	5
Operation Temperature(°C)	0 ~ +50
Storage Temperature Range(°C)	-20 ~ +75

*Specifications may change without notice.

**Other specifications can be made on customer request.

Order information

ISO-①①-②-③③-④-⑤⑤

①①	②	③③	④④	⑤⑤
wavelength	Fiber Type	Fiber Diameter	Fiber Length	Connector
03:1030nm	1:HI1060 fiber	25:250um 90:900um XX: Others	05:0.5m 10:1.0m 15:1.5m XX:Others	00:None FP: FC/PC FA: FC/APC SP: SC/PC SA: SC/APC LP: LC/PC LA: LC/APC XX: Others