



## 2um Polarization Insensitive Isolator (PSSI & PDSI Series)

*Preliminary Spec.*

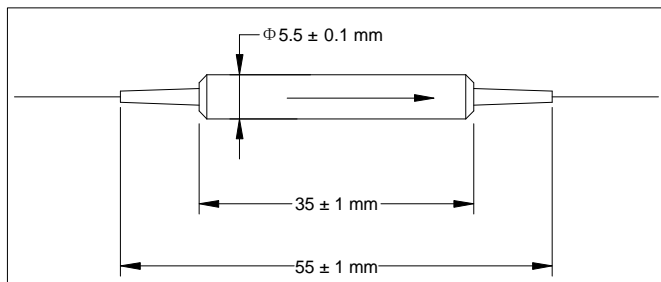
The Polarization Insensitive Isolator is designed and manufactured according to Telcordia standard. The unique manufacturing process and optical path epoxy-free design enhance the device high power handling capability. The device is characterized with high performance, high reliability and low cost. It was designed specially for 2 um laser system.

### Specifications

Parameter	Unit	Single Stage	Dual Stage
Center Wavelength ( $\lambda_c$ )	nm		2000
Min. Isolation, $\lambda_c \pm 50$ nm, 23 °C, all polarization states	dB	16	35
Max. Insertion Loss, $\lambda_c \pm 20$ nm, all temperature, all polarization states	dB	1.2	1.5
Max. Polarization Dependent Loss, 23 °C	dB	0.15	0.2
Min. Return Loss (Input/Output)	dB	50	50
Max. Polarization Mode Dispersion	ps	0.20	0.3
Max. Optical Power (Continuous Wave)	mW		300
Max. Tensile Load	N		5
Fiber Type			SMF-28 fiber
Operating Temperature	°C		-5 to +70
Storage Temperature	°C		-40 to +85

\*IL is 0.3 dB higher, RL is 5 dB lower for each connector added.

### Package Dimensions



### Ordering Information

Single Stage: PSSI-①①①①-②-③-④

Dual Stage: PDSI-①①①①-②-③-④

①①①①: Wavelength

②: Connector Type

③: Fiber Type

④: Fiber Length

2000 - 2000 nm

1 - FC/UPC

B - 250  $\mu$ m bare fiber

1 - 1.0 m

SSSS - Specify

2 - FC/APC

L - 900  $\mu$ m loose tube

S - Specify

3 - SC/UPC

T - 900  $\mu$ m tight buffer

4 - SC/APC

S - Specify

N - None

S - Specify