

## 1064 nm Polarization Insensitive Isolator For Pulse Application (DL-PSDSI-06-V-W-X-Y-Z-P)

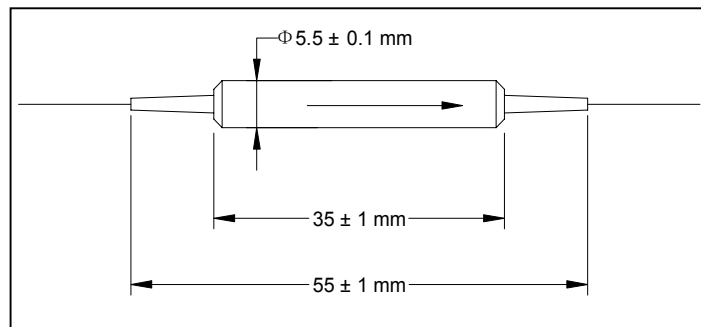
The 1064 nm Polarization Insensitive Isolator has a compact package, low insertion loss, high isolation, high return loss and excellent environmental stability and reliability. The device can handle very high peak power. It is ideal for suppressing back reflection in fiber lasers and other high performance laser based fiber optics systems.

### A. Specifications

Parameter	Single Stage		Dual Stage		Unit
	Grade P	Grade A	Grade P	Grade A	
Center Wavelength ( $\lambda_c$ )	1064				nm
Typ. Peak Isolation	40	38	55	52	dB
Min. Isolation, $\lambda_c$ , 23 °C, all polarization states	35	32	45	42	dB
Typ. Insertion Loss, $\lambda_c$ , 23 °C, all polarization states	1.5	1.6	2.4	2.6	dB
Max. Insertion Loss, $\lambda_c$ , -5 °C to 50 °C, all polarization states	2.0	2.2	3.4	3.6	dB
Min. Return Loss (Input/Output)	55/50	55/50	55/50	55/50	dB
Max. Polarization Dependent Loss, 23 °C	0.1	0.15	0.1	0.15	dB
Max. Average Optical Power	300				mW
Max. Peak Power for ns pulse	10				kW
Operating Temperature	-5 to +50				°C
Storage Temperature	-40 to +85				°C

\*IL is 0.5 dB higher, RL is 5 dB lower for each connector added.

### B. Package Dimensions



### C. Ordering Information

#### DL-PSDSI-06-V-W-X-Y-Z-P

V: Grade	W: Connector Type	X: Fiber Type (HI 1060)	Y: Fiber Length
P - Premium	1 - FC/UPC	B - 250 $\mu$ m bare fiber	1 - 1.0 m
A - A grade	2 - FC/APC	L - 900 $\mu$ m loose tube	S - Specify
	3 - SC/UPC	S - Specify	
	4 - SC/APC		
	N - None		Z: Stage
	S - Specify		1 - Single Stage
			2 - Dual Stage