Tel: (65) 64154488
info@denselight.com
www.denselight.com

1064 nm Polarization Insensitive Isolator (DL-PSDSI-06-W-X-Y-Z)

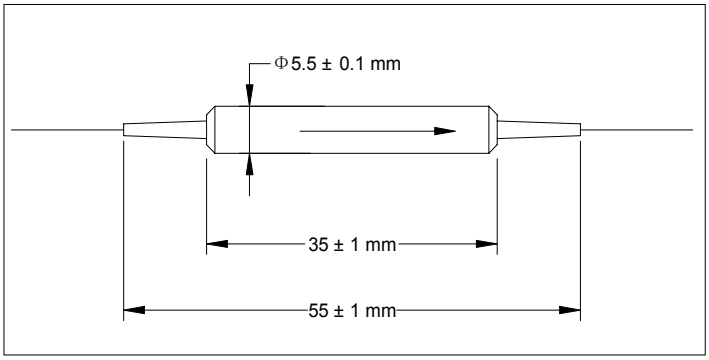
The 1064 nm Polarization Insensitive Isolator has a compact package, low insertion loss, high isolation, high return loss and excellent environmental stability and reliability. It is useful for suppresing back reflection in fiber lasers and other high performance laser based fiber optics systems.

A. Specifications

Parameter	Single Stage		Dual Stage		Unit
	Grade P	Grade A	Grade P	Grade A	
Center Wavelength (λc)	1064				nm
Typ. Peak Isolation	40	38	55	52	dB
Min. Isolation, λc , 23 ℃, all polarization states	35	32	45	42	dB
Typ. Insertion Loss, λc , 23 ℃, all polarization states	1.5	1.6	2.4	2.6	dB
Max. Insertion Loss, λc, -5 ℃ to 50 ℃, 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 ℃	0.1	0.15	0.1	0.15	dB
Max. Optical Power (Continuous Wave)	300				mW
Operating Temperature	-5 to +50				℃
Storage Temperature	-40 to +85				℃

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

B. Package Dimensions



C. Ordering Information

DL-PSDSI-06-W-X-Y-Z

V: Grade
P - Premium
A - A grade

W: Connector Type
1 - FC/UPC
2 - FC/APC
3 - SC/UPC
4 - SC/APC
N - None
S - Specify

X: Fiber Type (HI 1060)
B - 250 μm bare fiber
L - 900 μm loose tube
S - Specify

Y: Fiber Length
1 - 1.0 m
S - Specify

Z: Stage
1 - Single Stage
2 - Dual Stage