

## 1310/1480nm Polarization Insensitive Isolator

### Features

High Isolation  
 Low Insertion Loss  
 High Return Loss  
 Low PDL  
 Optical Path Epoxy Free

### Applications

Fiber optic Amplifiers  
 CATV Fiber optic Links  
 Fiber optic Systems Testing  
 Fiber optic LAN Systems  
 Telecommunications

### Specifications, 1310nm

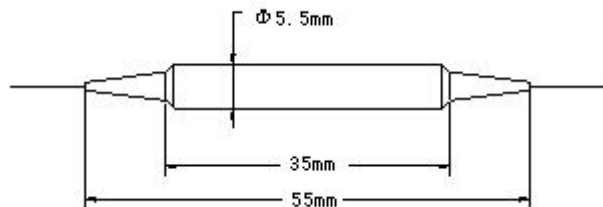
Parameter	Unit	Single Stage		Dual Stage	
		Grade P	Grade A	Grade P	Grade A
Peak Isolation	dB	42	40	58	53
Isolation ( $\lambda c \pm 15nm, 23^\circ C$ all sop)	Min dB	32	30	46	44
Insertion Loss ( $\lambda c \pm 15nm, 23^\circ C$ all sop)	Typ. dB	0.3	0.4	0.4	0.6
Insertion Loss ( $\lambda c \pm 15nm, 0-60^\circ C$ all sop)	Max dB	0.5	0.7	0.6	0.9
Return Loss (Input/Output)	Min dB	65/60	65/60	65/60	60/55
PDL	Max dB	0.05	0.10	0.05	0.15
PMD	Max ps	0.2	0.25	0.2	0.25
Central Wavelength ( $\lambda c$ )	nm	1310			
Operation Temperature	$^\circ C$	-5 to 70			
Storage Temperature	$^\circ C$	-40 to 85			

### Specifications, 1480nm

Parameter	Unit	Single Stage		Dual Stage	
		Grade P	Grade A	Grade P	Grade A
Peak Isolation	dB	42	40	58	53
Isolation ( $\lambda c \pm 15nm, 23^\circ C$ all sop)	Min dB	40	38	50	46
Insertion Loss ( $\lambda c \pm 15nm, 23^\circ C$ all sop)	Typ. dB	0.3	0.4	0.4	0.6
Insertion Loss ( $\lambda c \pm 15nm, 0-60^\circ C$ all sop)	Max dB	0.5	0.7	0.6	0.8
Return Loss (Input/Output)	Min dB	65/60	65/60	65/60	60/55
PDL	Max dB	0.05	0.10	0.05	0.10
PMD	Max ps	0.2	0.25	0.2	0.25
Central Wavelength ( $\lambda c$ )	nm	1480			
Operation Temperature	$^\circ C$	-5 to 70			
Storage Temperature	$^\circ C$	-40 to 85			

\* SOP=State Of Polarization

### Image



### Ordering Information

IStype	Wavelength	Grade	Pigtail	Fiber length	Connector
S=Single stage D=dual stage	10=1064nm 13=1310nm 14=1480nm 15=1550nm	A=Grade A P=Grade P	B=250um bare fiber L=900um	10=1.0m 15=1.5m 20=2.0m .....	NE=None FA=FC/APC FC=FC/PC SA=SC/APC

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		16=1650nm 18=1585nm xx - others			30=3.0m	SC=SC/PC ST=ST/PC LA=LC/APC LC=LC/PC XX=others
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