

## SINGLE-MODE 1550/1590NM POLARIZATION INSENSITIVE ISOLATORS

### Specifications

Parameter		Unit	Single Stage	Dual Stage
Peak Isolation		dB	42	58
Isolation ( $\lambda c \pm 15\text{nm}$ , 23°C all sop)	Min	dB	32	46
Insertion Loss ( $\lambda c \pm 15\text{nm}$ , 23°C all sop)	Typ.	dB	0.3	0.4
Insertion Loss ( $\lambda c \pm 15\text{nm}$ , 0-60°C all sop)	Max	dB	0.5	0.6
Return Loss (Input/Output)	Min	dB	65/60	65/60
PDL	Max	dB	0.05	0.05
PMD	Max	ps	0.2	0.05
Central Wavelength ( $\lambda c$ )		nm	1550, 1590	
Package Dimension		mm	$\Phi 5.5 \times L34$	
Operation Temperature		°C	-5 to 70	
Storage Temperature		°C	-40 to 85	

\* SOP=State Of Polarization

\* Above specifications are for device without connector.

### Ordering Information

IS	Type	Wavelength	Fiber Type	Fiber Length	Connector
IS	S=single stage	10=1064nm	B=SMF-28 250um	10=1.0m	NE=None FA=FC/APC FC=FC/PC SA=SC/APC SC=SC/PC ST=ST/PC LA=LC/APC LC=LC/PC XX=Others
	D=dual stage	13=1310nm 14=1480nm 15=1550nm 18=1585nm  XX=Others	L=SMF-28 900um  X=Others	20=2.0m  XX=Others	

## SINGLE-MODE 1310NM POLARIZATION INSENSITIVE ISOLATORS

### Specifications

Parameter	Unit	Single Stage	Dual Stage
Peak Isolation	dB	42	58
Isolation ( $\lambda c \pm 15\text{nm}$ , 23°C all sop)	Min dB	32	46
Insertion Loss ( $\lambda c \pm 15\text{nm}$ , 23°C all sop)	Typ. dB	0.3	0.4
Insertion Loss ( $\lambda c \pm 15\text{nm}$ , 0-60°C all sop)	Max dB	0.5	0.6
Return Loss (Input/Output)	Min dB	65/60	65/60
PDL	Max dB	0.05	0.05
PMD	Max ps	0.2	0.2
Central Wavelength ( $\lambda c$ )	nm	1310	
Package Dimension	mm	Φ5.5 x L34	
Operation Temperature	°C	-5 to 70	
Storage Temperature	°C	-40 to 85	

\* SOP=State Of Polarization

\*Above specifications are for device without connector.

### Ordering Information

IS	Type	Wavelength	Fiber Type	Fiber Length	Connector
IS	S=single stage D=dual stage	10=1064nm 13=1310nm 14=1480nm 15=1550nm 18=1585nm  XX=Others	B=SMF-28 250um L=SMF-28 900um  X=Others	10=1.0m 20=2.0m  XX=Others	NE=None FA=FC/APC FC=FC/PC SA=SC/APC SC=SC/PC ST=ST/PC LA=LC/APC LC=LC/PC XX=Others

## SINGLE-MODE 1480NM POLARIZATION INSENSITIVE ISOLATORS

### Specifications

Parameter	Unit	Single Stage	Dual Stage
Peak Isolation	dB	42	58
Isolation ( $\lambda_c \pm 15\text{nm}$ , 23°C all sop)	Min dB	40	50
Insertion Loss ( $\lambda_c \pm 15\text{nm}$ , 23°C all sop)	Typ. dB	0.3	0.4
Insertion Loss ( $\lambda_c \pm 15\text{nm}$ , 0-60°C all sop)	Max dB	0.5	0.6
Return Loss (Input/Output)	Min dB	65/60	65/60
PDL	Max dB	0.05	0.05
PMD	Max ps	0.2	0.2
Central Wavelength ( $\lambda_c$ )	nm	1480	
Package Dimension	mm	Φ5.5 x L34	
Operation Temperature	°C	-5 to 70	
Storage Temperature	°C	-40 to 85	

\* SOP=State Of Polarization

\*Above specifications are for device without connector.

### Ordering Information

IS	Type	Wavelength	Fiber Type	Fiber Length	Connector
IS	S=single stage	10=1064nm	B=SMF-28 250um	10=1.0m	NE=None FA=FC/APC FC=FC/PC SA=SC/APC SC=SC/PC ST=ST/PC LA=LC/APC LC=LC/PC XX=Others
	D=dual stage	13=1310nm 14=1480nm 15=1550nm 18=1585nm  XX=Others	L=SMF-28 900um  X=Others	20=2.0m  XX=Others	

## SINGLE-MODE 1064NM POLARIZATION INSENSITIVE ISOLATORS

### Specifications

Parameter		Unit	Single Stage	Dual Stage
Peak Isolation		dB	40	55
Isolation ( $\lambda_c \pm 15\text{nm}$ , 23°C all sop)	Min	dB	30	45
Insertion Loss ( $\lambda_c \pm 5\text{nm}$ , 23°C all sop)	Typ.	dB	1.5	2.4
Insertion Loss ( $\lambda_c \pm 5\text{nm}$ , -5-70°C all sop)	Max	dB	2.0	3.4
Return Loss (Input/Output)	Min	dB	50	50
PDL	Max	dB	0.15	0.15
PMD	Max	ps	0.2	0.05
Optical Power		mw	300	
Tensile Load		N	5	
Fiber Type			Corning Flexcore 1060	
Central Wavelength ( $\lambda_c$ )		nm	1064	
Package Dimension		mm	$\Phi 5.5 \times L34$	
Operation Temperature		°C	-5 to 70	
Storage Temperature		°C	-40 to 85	

\* SOP=State Of Polarization

\*Above specifications are for device without connector.

### Ordering Information

IS	Type	Wavelength	Fiber Type	Fiber Length	Connector
IS	S=single stage	10=1064nm	B=SMF-28 250um	10=1.0m	NE=None FA=FC/APC FC=FC/PC SA=SC/APC SC=SC/PC ST=ST/PC LA=LC/APC LC=LC/PC XX=Others
	D=dual stage	13=1310nm 14=1480nm 15=1550nm 18=1585nm	L=SMF-28 900um  X=Others	20=2.0m  XX=Others	
		XX=Others			