

Single-Mode Polarization Insensitive Isolator (1310, 1480, 1550, 1590nm)

Specifications

Contact Hengyan Photonics with your custom specification needs.

Parameter		Unit	Single Stage	Dual Stage
Center Wavelength		nm	1310 or 1480, or 1550, or 1590	
Peak Isolation (23°C, All SOP)	Typ.	dB	42	58
Isolation ($\lambda_c \pm 20$ nm 23°C, All SOP)	Min	dB	30	44
Insertion Loss (λ_c 23°C, All SOP)	Typ.	dB	0.35	0.4
Insertion Loss ($\lambda_c \pm 20$ All SOP)(-5 to 70°C)	Max	dB	0.5	0.6
PDL	Max	dB	0.05	0.05
PMD	Max	ps	0.1/0.25^	0.05
Return Loss (Input/Output)	Min	dB	60/55	
Optical Power Handling		mW	300	
Fiber Type		-	SMF-28	
Package Dimension		mm	$\Phi 5.5 \times L35$	
Operating Temperature		°C	-5 to 70	
Storage Temperature		°C	-40 to 85	

* The above specifications are for parts without connectors. Adding connectors can affect the IL, RL, & PDL.

* SOP=State Of Polarization

^ Max PMD is 0.25 for non-compensated single-stage parts.

Ordering Information

Contact Hengyan Photonics with your custom configuration needs.

IS	Stages	Wavelength	Fiber Type	Fiber Length	Connector	Package
IS	S=single stage D=dual stage	13=1310nm 14=1480nm 15=1550nm 159=1590nm X=Others	B=SMF-28 250um L=SMF-28 900um X=Others	10=1.0m 15=1.5m 20=2.0m 30=3.0m X=Others	NE=None FA=FC/APC FC=FC/PC SA=SC/APC SC=SC/PC ST=ST/PC LA=LC/APC LC=LC/PC X=Others	Blank = Standard ($\Phi 5.5 \times L35$) X=Others

Package Dimensions

