

Mini-Size Single-Mode Polarization Insensitive Isolator (1310nm, 1550nm)

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	35	50
Isolation ($\lambda \pm 20$ nm All SOP) (23°C)	Min	dB	30	42
Insertion Loss (λ 23°C, All SOP)	Typ.	dB	0.4	0.5
Insertion Loss ($\lambda \pm 20$ nm All SOP) (-5 to 70°C)	Max	dB	0.6	0.7
PDL	Max	dB	0.1	0.1
PMD	Max	ps	0.1/0.25^	0.05
Return Loss (Input/Output)	Min	dB	55/55	
Optical Power Handling		mW	300	
Fiber Type		-	SMF-28	
Package Dimension		mm	$\Phi 3.0 \times L25$	
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	13=1310nm	B=SMF-28 250um	10=1.0m	NE=None	3.0x25=Mini ($\Phi 3.0 \times L25$ mm)
	D=dual stage	15=1550nm	L=SMF-28 900um	15=1.5m	FA=FC/APC	
				20=2.0m	FC=FC/PC	
				30=3.0m	SA=SC/APC	
		X=Others	X=Others	X=Others	SC=SC/PC	
					ST=ST/PC	
					LA=LC/APC	
					LC=LC/PC	
					X=Others	

Package Dimensions

