

SINGLE-MODE POLARIZATION INSENSITIVE ISOLATOR (1310, 1480, 1550, 1590nm)

Specifications

Contact Ascentta with your custom specification needs.

Parameter		Unit	Single Stage	Dual Stage
Wavelength		nm	1310±20, or 1480±20, or 1550±20, or 1590±20	
Isolation (All SOP) (23°C)	Typ.	dB	42	50
	Min	dB	32	44
Insertion Loss (All SOP)	(23°C) Typ.	dB	0.3	0.4
	(-5 to 70°C) Max	dB	0.5	0.6
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	Φ5.5 x 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.

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

* SOP=State Of Polarization

Ordering Information

Contact Ascentta 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	B=SMF-28 250um L=SMF-28 900um	10=1.0m 15=1.5m 20=2.0m 30=3.0m	NE=None FA=FC/APC FC=FC/PC SA=SC/APC SC=SC/PC ST=ST/PC LA=LC/APC LC=LC/PC	Blank = Standard (Φ5.5 x L35)
		X=Others	X=Others	X=Others	X=Others	X=Others

Package Dimensions

