

## 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	13=1310nm	B=SMF-28 250um	10=1.0m	NE=None	Blank = Standard (Φ5.5 x L35)
	D=dual stage	14=1480nm	L=SMF-28 900um	15=1.5m	FA=FC/APC	
		15=1550nm		20=2.0m	FC=FC/PC	X=Others
		159=1590nm	X=Others	30=3.0m	SA=SC/APC	
	X=Others			X=Others	SC=SC/PC	
					ST=ST/PC	
					LA=LC/APC	
					LC=LC/PC	
					X=Others	

### Package Dimensions

