

## MINI-SIZE SINGLE-MODE POLARIZATION INSENSITIVE ISOLATOR (1310nm, 1550nm)

### Specifications

Contact Ascentta with your custom specification needs.

Parameter		Unit	Single Stage	Dual Stage
Wavelength		nm	1310 ± 15nm, or 1550 ± 15nm	1310 ± 20nm, or 1550 ± 20nm
Isolation (All SOP) (23°C)	Typ.	dB	35	48
	Min	dB	30	42
Insertion Loss (All SOP) ( $\lambda$ , 23°C)	Typ.	dB	0.3	0.4
	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	Φ3.0 x L25	
Operation 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	3.0x25=Mini (Φ3.0 x L25mm)
	D=dual stage	15=1550nm	L=SMF-28 900um	15=1.5m 20=2.0m 30=3.0m	FA=FC/APC FC=FC/PC SA=SC/APC SC=SC/PC ST=ST/PC LA=LC/APC LC=LC/PC	
	X=Others	X=Others	X=Others	X=Others	X=Others	

### Package Dimensions

