

HIGH POWER 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)	(λ_c , 23°C)	Typ.	dB	40	55
	(23°C)	Min	dB	30	45
Insertion Loss (All SOP)	(λ_c , 23°C)	Typ.	dB	0.6	0.8
	(23°C)	Max	dB	0.7	0.9
PDL		Max	dB	0.1	0.1
PMD		Max	ps	0.10/0.25*	0.10
Return Loss (Input/Output)		Min	dB	55/55	55/55
Optical Power Handling		Max	W	2 or 5 or others	
Package Dimension			mm	Φ5.5 x L35	Φ5.5 x L35
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.

HIS	Stages	Wavelength	Fiber Type	Fiber Length	Connector	Max. Power Handling
HIS	S=Single Stage	13=1310nm	B=SMF-28 250um	10=1.0m	NE=None	2W=2000mW
	D=Dual Stage	14=1480nm	L=SMF-28 900um	15=1.5m	FA=FC/APC	5W=5000mW
		15=1550nm		20=2.0m	FC=FC/PC	
		159=1590nm	X=Others	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

