

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)	Peak	dB	40	50
	(λ_c , 23°C)	Min dB	32	45
	(23°C)	Min dB	30	44
Insertion Loss (All SOP)	(23°C)	Typ. dB	0.6	0.9
	(-5°C to 70°C)	Max dB	0.7	1.0
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
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.

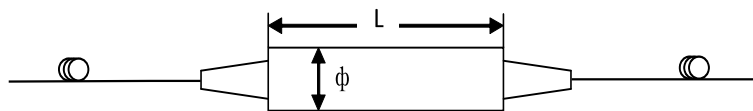
* SOP=State Of Polarization

Ordering Information

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HIS	Stages	Wavelength	Fiber Type	Fiber Length	Connector	Max. Power Handling
HIS	S=Single Stage	10=1064nm	B=SMF-28 250um	10=1.0m	NE=None	2W=2000mW
	D=Dual Stage	13=1310nm	L=SMF-28 900um	15=1.5m	FA=FC/APC	5W=5000mW
		14=1480nm	HI=Hi 1060	20=2.0m	FC=FC/PC	
		15=1550nm	X=Others	30=3.0m	SA=SC/APC	X=Others
		159=1590nm			SC=SC/PC	
					ST=ST/PC	
				LA=LC/APC		
				LC=LC/PC		
		X=Others			X=Others	

Package Dimensions



Contact Ascentta for all your custom design needs.

HIGH POWER SINGLE-MODE POLARIZATION INSENSITIVE ISOLATOR (1064nm)

Specifications

Contact Ascentta with your custom specification needs.

Parameter		Unit	Single Stage	Dual Stage
Wavelength		nm	1064±5	1064±5
Isolation (All SOP)	Peak	dB	40	50
	(λ_c , 23°C)	Min dB	32	45
Insertion Loss (All SOP)	(λ_c , 23°C)	Typ. dB	1.5	2.4
	(λ_c , -5°C to 70°C)	Max dB	1.8	2.6
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
Fiber Type		-	HI 1060	
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.

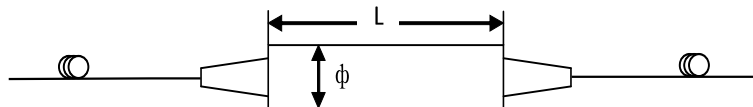
* SOP=State Of Polarization

Ordering Information

Contact Ascentta with your custom configuration needs.

HIS	Stages	Wavelength	Fiber Type	Fiber Length	Connector	Max. Power Handling
HIS	S=Single Stage	10=1064nm	B=SMF-28 250um	10=1.0m	NE=None	2W=2000mW
	D=Dual Stage	13=1310nm	L=SMF-28 900um	15=1.5m	FA=FC/APC	5W=5000mW
		14=1480nm	H1=Hi 1060	20=2.0m	FC=FC/PC	
		15=1550nm		30=3.0m	SA=SC/APC	X=Others
		159=1590nm	X=Others	X=Others	SC=SC/PC	
		X=Others			ST=ST/PC	
					LA=LC/APC	
					LC=LC/PC	
					X=Others	

Package Dimensions



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