

FREE-SPACE ISOLATOR: POLARIZATION-DEPENDENT (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±20nm	
Isolation (λ_c , 23°C)	Typ.	dB	40	55
	Min	dB	30	42
Insertion Loss (23°C)	Typ.	dB	0.2	0.3
	Max	dB	0.25	0.4
Extinction Ratio	Min	dB	30	
Optical Power Handling	Max	W/cm ²	10	
Operating Temperature		°C	-5 to 85	
Storage Temperature		°C	-40 to +85	

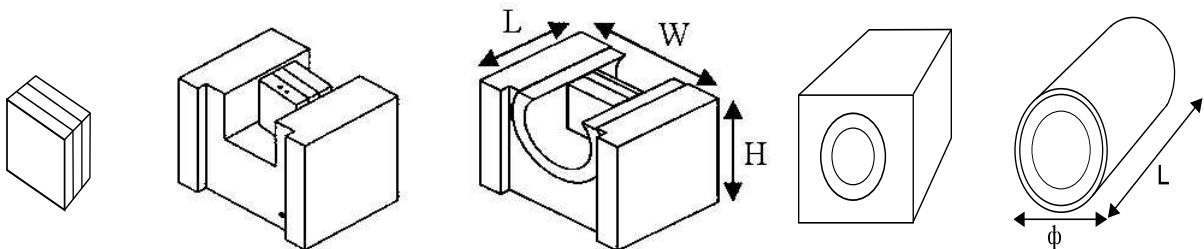
Ordering Information

Contact Ascentta with your custom configuration needs.

FSI	Type	Stages Or Layers	Packaging	Wavelength	Clear Aperture	Package Dimension	Input Pol-Angle	Output Pol-Angle
FSI	PD=Polarization Dependent	S=Single Stage D=Dual Stage	N=Non-latched (with Magnet Ring)	10=1064nm 13=1310nm 14=1480nm 15=1550nm 159=1590nm	05=0.5mm 09=0.9mm 12=1.2mm X=Others	Contact us with your requirements	0=0 Degree 45=45 Degree 90=90 Degree N45=-45 Deg. N90=-90 Deg.	0=0 Degree 45=45 Degree 90=90 Degree N45=-45 Deg. N90=-90 Deg.
		G=Garnet P=Polarizer W=Waveplate B=PBS C=Power Splitter Cube X=Others	L=Latching (Without Magnet Ring) LNH=Latching No Housing	X=Others	X=Others		X=Others	

Package Dimensions

Contact us with your requirements.



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FREE-SPACE ISOLATOR: POLARIZATION-DEPENDENT (1064nm)

Specifications

Contact Ascentta with your custom specification needs.

Parameter	Unit	Single Stage	Dual Stage
Wavelength	nm	1064±5nm	
Isolation (λ_c , 23°C)	Typ. dB	40	55
	Min dB	30	42
Insertion Loss (λ_c , 23°C)	Typ. dB	1.3	2.4
	Max dB	1.6	2.6
Extinction Ratio	Min dB	30	
Optical Power Handling	Max W/cm ²	10	
Operating Temperature	°C	-5 to 85	
Storage Temperature	°C	-40 to +85	

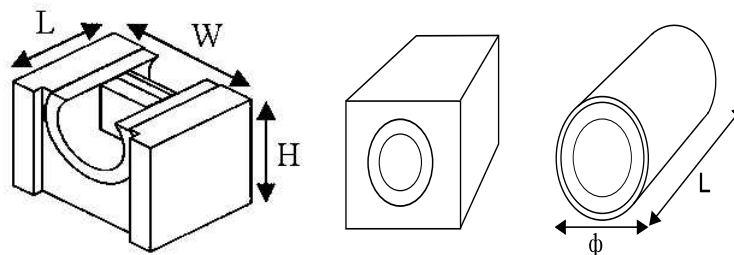
Ordering Information

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FSI	Type	Stages Or Layers	Packaging	Wavelength	Clear Aperture	Package Dimension	Input Pol-Angle	Output Pol-Angle
FSI	PD=Polarization Dependent	S=Single Stage	N=Non-latched (with Magnet Ring)	10=1064nm	05=0.5mm	Contact us with your requirements	0=0 Degree	0=0 Degree
		D=Dual Stage		13=1310nm	09=0.9mm		45=45 Degree	45=45 Degree
		G=Garnet		14=1480nm	12=1.2mm		90=90 Degree	90=90 Degree
		P=Polarizer		15=1550nm	X=Others		N45=-45 Deg.	N45=-45 Deg.
		W=Waveplate		159=1590nm			N90=-90 Deg.	N90=-90 Deg.
		B=PBS		X=Others			X=Others	X=Others
		C=Power Splitter Cube						
		X=Others						

Package Dimensions

Contact us with your requirements.



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FREE-SPACE ISOLATOR: (CORE) POLARIZATION-INDEPENDENT (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±20nm	
Isolation (λ_c , 23°C)	Typ.	dB	40	55
	Min	dB	30	42
Insertion Loss (23°C)	Typ.	dB	0.2	0.3
	Max	dB	0.25	0.4
PDL	Max	dB	0.05	
PMD	Max	ps	0.05	
Optical Power Handling	Max	W/cm ²	10	
Operating Temperature		°C	-5 to 85	
Storage Temperature		°C	-40 to +85	

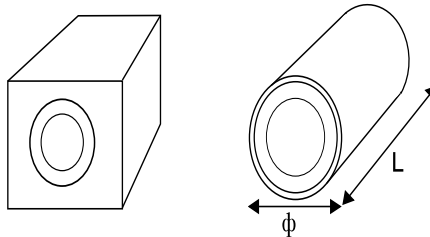
Ordering Information

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FSI	Type	Stages Or Layers	Packaging	Wavelength	Clear Aperture	Package Dimension
FSI	PI=Polarization Independent	S=Single Stage D=Dual Stage	N=Non-latched (with Magnet Ring)	10=1064nm 13=1310nm 14=1480nm 15=1550nm 159=1590nm	05=0.5mm 09=0.9mm 12=1.2mm	Contact us with your requirements
		G=Garnet P=Polarizer W=Waveplate B=PBS C=Power Splitter Cube X=Others	L=Latching (Without Magnet Ring) LNH=Latching No-Housing	X=Others	X=Others	

Package Dimensions

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FREE-SPACE ISOLATOR: (CORE) POLARIZATION-INDEPENDENT (1064nm)

Specifications

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Parameter		Unit	Single Stage	Dual Stage
Wavelength		nm	1064±5nm	
Isolation (λ_c , 23°C)	Typ.	dB	40	55
	Min	dB	30	42
Insertion Loss (λ_c , 23°C)	Typ.	dB	1.3	2.4
	Max	dB	1.5	2.6
PDL	Max	dB	0.05	
PMD	Max	ps	0.05	
Optical Power Handling	Max	W/cm ²	10	
Operating Temperature		°C	-5 to 85	
Storage Temperature		°C	-40 to +85	

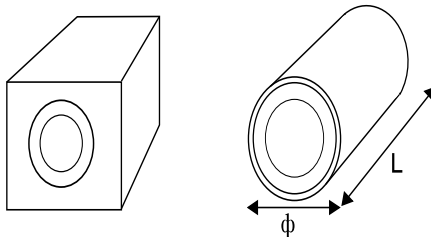
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FSI	Type	Stages Or Layers	Packaging	Wavelength	Clear Aperture	Package Dimension
FSI	PI=Polarization Independent	S=Single Stage D=Dual Stage	N=Non-latched (with Magnet Ring)	10=1064nm 13=1310nm 14=1480nm 15=1550nm 159=1590nm	05=0.5mm 09=0.9mm 12=1.2mm	Contact us with your requirements
		G=Garnet P=Polarizer W=Waveplate B=PBS C=Power Splitter Cube X=Others		X=Others	X=Others	

Package Dimensions

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