

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
Isolation (23°C)	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	N=Non-latched (with Magnet Ring)	13=1310nm	05=0.5mm	Contact us with your requirements	0=0 Degree	0=0 Degree
		D=Dual Stage		14=1480nm	09=0.9mm		45=45 Degree	45=45 Degree
			L=Latching (Without Magnet Ring)	15=1550nm	12=1.2mm		90=90 Degree	90=90 Degree
			LNH=Latching No Housing	159=1590nm	X=Others		N45=-45 Deg.	N45=-45 Deg.
				X=Others			N90=-90 Deg.	N90=-90 Deg.
							X=Others	X=Others

Package Dimensions

Contact us with your requirements.

