

FREE SPACE ISOLATOR AND ISOLATOR CORE

Specifications for Isolator Core

Parameter		Unit	Single Stage	Dual Stage	Single Stage	Dual Stage
Center Wavelength		nm	1310/1550		1060	
Insertion Loss (λ_c , at 23°C)	Max	dB	0.18	0.28	1.0	2.0
Isolation (λ_c , at 23°C)	Min	dB	40	50	35	50
PDL	Max	dB	0.05	0.05	0.05	0.05
PMD	Max	ps	0.05	0.05	----	----
O.D.		mm	ϕ 3.0			
I.D.		mm	ϕ 1.8			
Dimension		mm	3(OD) x 1.8(ID) x 3.0(L) for single stage 3(OD) x 1.8(ID) x 4.0(L) for dual stage			

Specifications for Free Space Isolator

Parameter		Unit	Single Stage	Dual Stage
Center Wavelength		nm	1064, 1310, 1510, 1550, 1590,	
Insertion Loss (λ_c , at 23°C)	Typ.	dB	0.2	0.3
Insertion Loss (λ_c , at 23°C)	Max	dB	0.25	0.4
Isolation (λ_c , at 23°C)	Min	dB	40	55
Optical Power		W/cm ²	<100	
Operating Temperature		°C	-5 to 85	
Storage Temperature		°C	-40 to +85	

Ordering Information

FSI	Type	Stage	Latching Type	Wavelength	Clear Aperture	Package Dimension
FSI	PD=Polarization Dependent	S=Single Stage D=Dual Stage	L=Latching Type Garnet (Without Magnet Ring)	10=1064nm 13=1310nm 15=1550nm 51=1510nm 59=1590nm XX=Others	05=0.5mm 09=0.9mm 12=1.2mm XX=Others	01=2.5*2.15*1.8mm 02=2.5*2.15*2.0mm 03=2.5*2.15*2.6mm 04=2.5*2.15*3.0mm 05= ϕ 2.5*2.1mm 06= ϕ 2.99*3.0mm 07= ϕ 2.5*2.0mm 08= ϕ 2.5x1.8mm 09= ϕ 2.5*2.6mm 10= ϕ 2.5*3.0mm 11= ϕ 2.5*1.4mm 12= ϕ 2.99*1.4mm XX=Others
	PI=Polarization Independent		N=Non-latched type Garnet (with Magnet Ring)			