

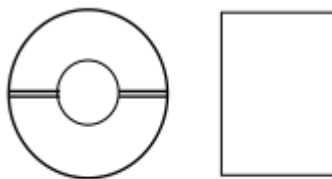
Free Space Isolator

Model #: FSI
 Description: Free Space Isolator
 Application: Diode Laser Packaging

Specifications:

Parameter	Unit	Specifications			
		Single Stage		Dual Stage	
Central Wavelength (λ_c)	nm	1064	1310, 1550	1064	1310, 1550
Typ. Insertion Loss	dB	1.0	0.1	2.1	0.2
Max. Insertion Loss	dB	1.2	0.2	2.3	0.3
Peak Isolation	dB	40	42	52	55
Min. Isolation, $\lambda_c \pm 15$ nm , 23°C	dB	30	30	42	40
Clear Aperture	mm	0.9			
Max. Optical Power (CW)	mW	300			
Polarization Plane of Input		As Indicated			
Tilt Angle of Input Polarization	degree	0 or Specify			
Operating Temperature	°C	0 to +60			
Storage Temperature	°C	-40 to +85			
Dimension	mm	2.5 (d) x 2.0 (l)		2.5 (d) x 2.5 (l)	

Parameter	Unit	Reliability Test
High Temperature Storage Test		+85 °C for 500 hours
Low Temperature Storage Test		-40 °C for 500 hours
High Temperature Test		+230 °C for 3 minutes
Temperature Cycling Test		Dwell time 20 minutes at -40 °C and +85 °C, 500 cycles
Impact Test		8 drops per axis, 1.8 m high



Single stage dia2.5 x L2.0 mm

Dual stage dia2.5 x L2.5 mm

Ordering Information: FSI-A-BB-C

A - stage	BB: wavelength	C: package dimension
1 – single stage	06 – 1064 nm	1 – diameter 2.5 mm
2 – dual stage	31 – 1310 nm	X - other
	48 – 1480 nm	
	55 – 1550 nm	
	XX - other	