

1064nm Polarization Maintaining Isolator



Product Features

- High Isolation
- Low Insertion Loss
- High Return Loss
- Epoxy Free Optical Path

Product Applications

- Polarization Maintaining Fiber Amplifier
- Fiber Lasers
- Optical Communication System
- Fiber optic LAN Systems

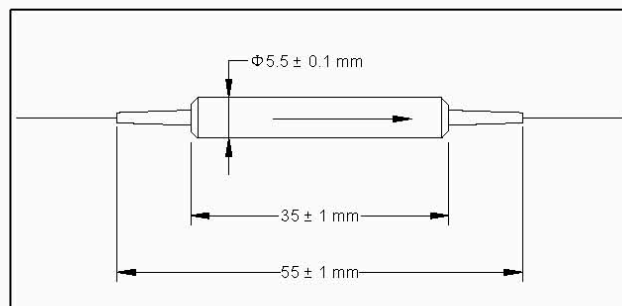
Specifications

Parameter	Unit	Premium	A grade	Premium	A grade
Stage		Single Stage		Dual Stage	
Central Wavelength (λ_c)	nm	1064			
Extinction Ratio	Min. dB	20	18	20	18
Peak Isolation	Typ. dB	38	36	55	52
Isolation, λ_c , 23°C	Min. dB	35	32	45	42
Insertion Loss, λ_c , 23°C	Typ. dB	1.5	1.6	2.4	2.6
Insertion Loss, λ_c^*	Max. dB	2.0	2.2	3.4	3.6
Return Loss (Input/Output)	Min. dB	55/50			
Optical Power (Continuous Wave)	Max. mW	300			
Tensile Load	Max. N	5			
Operating Temperature	°C	-5 to +50			
Storage Temperature	°C	-40 to +85			

IL is 0.5 dB higher, RL is 5 dB lower, and ER is 2 dB lower for each connector added. Connector key is aligned to slow axis.

*All Temperature

Package Dimensions



Ordering Information

P	M	I	S														
Stage	D=Dual S=Single	Wavelength	8=1064nm	Grade	P=Premium A=A grade	Package	C= $\Phi 5.5 \times L35$	Pigtail	S=250 μ m bare fiber pigtail M=0.9mm loose tube	Fiber Type	E=Panda Fiber	Fiber Length	0=0.5m 1=0.75m 2=1.0m	Connector	0=None 3=FC/APC 5=SC/APC 7=FC/UPC 8=SC/UPC	Working Axis	F=Fast axis blocked B=Both axes working

Note: All specifications are before connectors and are subject to change without notice.