

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

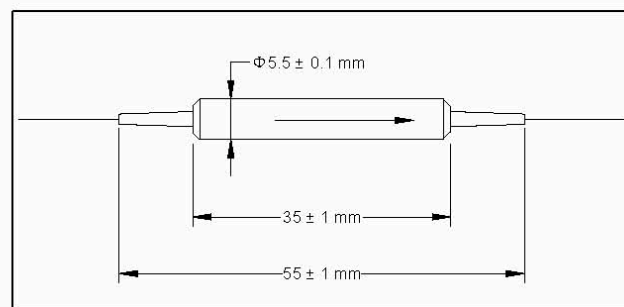
Specifications

Parameter	Unit	Premium	A grade	Premium	A grade
Stage		Single Stage		Dual Stage	
Central Wavelength (λ_c)	nm	1310, 1480 or 1550			
Extinction Ratio	Min. dB	20	18	20	18
Peak Isolation	Typ. dB	42	40	58	55
Isolation, $\lambda_c \pm 10\text{nm}$, 23°C	Min. dB	30	28	46	45
Insertion Loss, $\lambda_c \pm 20\text{nm}$, 23°C	Typ. dB	0.4	0.5	0.5	0.7
Insertion Loss, $\lambda_c \pm 20\text{nm}^*$	Max. dB	0.6	0.7	0.7	0.9
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 +70			
Storage Temperature	°C	-40 to +85			

IL is 0.3 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	Wavelength	Grade	Package	Pigtail	Fiber Type	Fiber Length	Connector	Working Axis				
D=Dual S=Single	4=1550nm 5=1480nm 7=1310nm	P=Premium A=A grade	C= Ø5.5 x L35	S=250µm bare fiber pigtail M=0.9mm loose tube	E=Panda Fiber	0=0.5m 1=0.75m 2=1.0m	0=None 3=FC/APC 5=SC/APC 7=FC/APC 8=SC/APC	F=Fast axis blocked B=Both axes working				

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