

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
- Fiberoptic LAN Systems

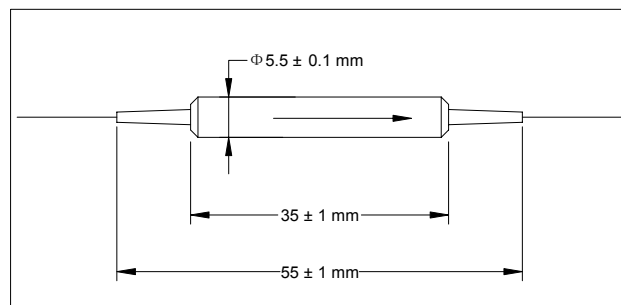
Specifications

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	D=Dual	S=Single	Wavelength	4=1550nm	5=1480nm	7=1310nm	Grade	P=Premium	A=A grade	Package	C= Ø5.5 x L35	Pigtail	S=250um 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 connectorization and subject to change without notice.