

1064nm Polarization-Insensitive Isolator



Product Features

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

Product Applications

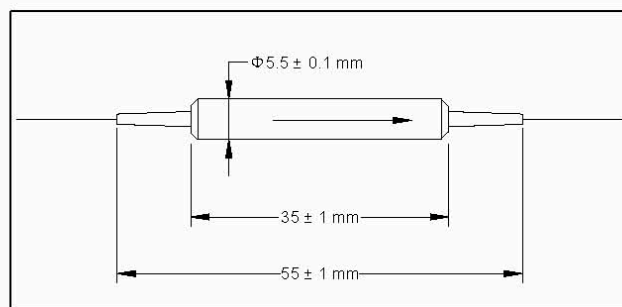
- EDFAs
- Fiber Lasers
- DWDM Systems
- Fiber Optics Communication Equipments

Specifications

Parameter		Unit	Premium	A grade	Premium	A grade
Stage			Single Stage		Dual Stage	
Central Wavelength (λ_c)		nm	1064			
Peak Isolation	Typ.	dB	40	38	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 , -5°C to 50°C	Max.	dB	2.0	2.2	3.4	3.6
Polarization Dependent Loss, 23°C	Max.	dB	0.1	0.15	0.1	0.15
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 for each connector added.

Package Dimensions



Ordering Information

P	I	I	S			O					
Stage D=Dual S=Single	Wavelength 8=1064nm	Grade P=Premium A=A grade				Package C= Ø5.5 x L35	Pigtail S=250µm bare fiber pigtail M=0.9mm loose tube	Fiber Type H=SM1060 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	

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