

HuiGoo

HuiGoo Optic Co., Limited

Polarization Insensitive Optical Isolator

Feature

- High Isolation
- Low Insertion Loss
- High Return Loss
- Low Polarization Sensitivity

Applications

- Fiberoptic Amplifiers
- CATV Fiberoptic Links
- Fiberoptic Systems Testing
- Fiberoptic LAN Systems
- Telecommunications



Specifications

Standard) Single Stage

Parameter	P Grade	A Grade
Operating Wavelength (nm)	1310 or 1550	
Typical Isolation (dB)	40	40
Minimum Isolation (dB)	30	28
Typical Insertion Loss (dB)	0.35	0.45
Maximum Insertion Loss (dB)	0.5	0.7
Return Loss (In/Out) (dB)	≧ 65/60	≧ 55/55
PDL (dB)	≧ 0.05	≧ 0.1
PMD (dB)	0.2 (0.05 available upon request)	
Bandwidth (nm)	-15 --- +15	
Operating Temperature (°C)	-10 --- +75	
Storage Temperature (°C)	-40 --- +85	
Fiber Type	Corning SMF-28	
Fiber Length (Min.)	1 meter each end	
Package Dimension (mm)	Φ 5.5 x L30	
Power Handling (mW)	300	



(Standard) Dual Stage

Parameter	P Grade	A Grade
Operating Wavelength (nm)	1310 or 1550	
Typical Isolation (dB)	56	50
Minimum Isolation (dB)	45	42
Typical Insertion Loss (dB)	0.5	0.5
Maximum Insertion Loss (dB)	0.7	0.8
Return Loss (In/Out) (dB)	≧ 65/60	≧ 55/55
PDL (dB)	≦ 0.05	≦ 0.1
PMD (dB)	0.05	
Bandwidth (nm)	±30	
Operating Temperature (°C)	-10 --- +75	
Storage Temperature (°C)	-40 --- +85	
Fiber Type	Corning SMF-28	
Fiber Length (Min.)	1 meter each end	
Package Dimension (mm)	Φ 5.5 x L30	
Power Handling (mW)	300	

1. At 23 °C over bandwidth
2. Not include connector, splice and fiber-end Fresnel losses.
3. Including PDL, operating wavelength range, -5 °C to +75 °C.

Ordering Information

XX	XX	X	X	X	X	XX
Isolator Type	Wavelength	Grade	Pigtail Style	Fiber Length	Package	In/Out Connector
IS=Single stage ID=Dual stage	13=1310nm 4=1480nm 5=1550nm LB=L Band	P=Premium A=Grade A	1=Bare Fiber 2=900um jacket	1=1.0m 2=1.5m 3=2.0m 4=Custom length	B=B type	0=none 1=FC/APC 2=FC/PC 3=SC/APC 4=SC/PC 5=ST 6=LC