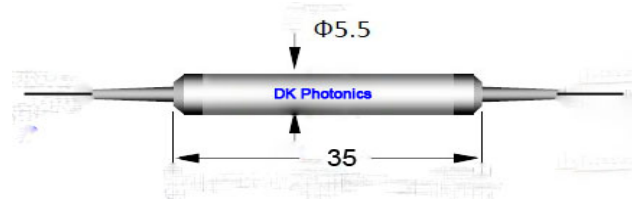




1480nm Polarization Isensitive Single/Dual Stage Optical Isolator

Optical isolators can block back reflection and backscattering in the reverse direction at any polarization state. They have low polarization mode dispersion (PMD). The optical path is epoxy-free, thereby enabling high-power applications. They are based on the micro-optics package technology and featured with the best stability and reliability. The products are Telcordia GR-1221-CORE qualified.



Features

- ◆ High Isolation
- ◆ Low Insertion Loss
- ◆ High Return Loss
- ◆ Low Polarization Sensitivity
- ◆ Optical Path Epoxy Free

Applications

- ◆ Fiber optic Amplifiers
- ◆ CATV Fiber optic Links
- ◆ Fiber optic Systems Testing
- ◆ Fiber optic LAN Systems
- ◆ Telecommunications

Performance Specifications

Parameter	Single Stage		Dual Stage	
	P Grade	A Grade	P Grade	A Grade
Grade	P Grade	A Grade	P Grade	A Grade
Operating Wavelength (nm)	1480			
Typical Peak Value Isolation (dB)	42	40	55	52
Isolation Minimum Value *(dB)	32	30	45	44
Insertion Loss Typical Value ** (dB)	0.4	0.5	0.5	0.6
Insertion Loss Maximum Value *** (dB)	0.6	0.8	0.7	0.9
Return Loss (In/Out) (dB)	> 65/60	> 60/55	> 65/60	> 60/55
Polarization Dependent Loss (dB)	< 0.05	< 0.1	< 0.05	< 0.1
PMD (dB)	0.2(0.05 available upon request)			
Band Width (nm)	±15		±30	
Operating Temperature(°C)	-20 ~ + 70			
Storage Temperature (°C)	-40 ~ +85			
Fiber Type	Corning SMF-28			
Fiber Length	1 meter			
Dimensions(mm)	Ø5.5xL35			
Power Handling (mw)	300			

*At 23° C over bandwidth.

** Does not include connector, splice and fiber-end fresher losses.

*** Including PDL, operating wavelength range, -20° C to +70° C.

Order information

ISO-①①-②②-③③-④④-⑤⑤-⑥⑥-⑦⑦

①①	②②	③③	④④	⑤⑤	⑥⑥	⑦⑦
Type	wavelength	Grade	Package spec	Fiber Diameter	Fiber Length	Connector
IS:Single stage IU: Dual stage	13:1310nm 14:1480nm 15:1550nm LB:L band	P:P Grade A:A Grade	1:Φ5.5x35mm X: Other	25:250um 90:900um XX: Others	05:0.5m 10:1.0m 15:1.5m XX:Others	00:None FP: FC/PC FA: FC/APC SP: SC/PC SA: SC/APC LP: LC/PC LA: LC/APC XX: Others