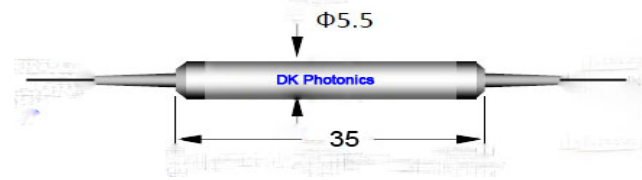




Polarization Isensitive Single/Dual Stage 2X2 Optical Isolator

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.



Performance Specifications

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

Type	Single Stage		Dual Stage	
Operating Wavelength (nm)	1310, 1550, 1585			
Grade	Premium	A Grade	Premium	A Grade
Bandwidth (nm)	± 15		±30	
Peak Isolation (Typ.) (dB)	≥41	≥40	≥58	≥53
Isolation (Min.) (dB)	≥31	≥30	≥45	≥44
Insertion Loss (Typ.) (dB)	≤0.5	≤0.6	≤0.6	≤0.8
Insertion Loss (Max.) (dB)	<0.65	<0.75	≤0.8	≤0.9
Cross Talk (Between the 2 isolators) (Min.) (dB)	≥60	≥50	≥60	≥55
Return Loss (In/Out)(Min.) (dB)	≥60/55		≥60/55	
PDL (dB)	≤0.08	≤0.12	≤0.1	≤0.15
PMD (ps)	≤0.2(≤0.05ps available upon request)		≤0.1(≤0.05ps available upon request)	
Operating Temperature (° C)	-20 to + 60			
Storage Temperature (° C)	-40 to +85			
Fiber Type	Corning SMF-28			
Fiber Pigtail Length	1 Meter Each End			
Package Dimension (mm)	Ø5.5x35 (38 for 900um Jacket)			
Power Handling (mW)	300			

**Specifications may change without notice

Order information

ISO-①①①①-②②-③-④-⑤⑤-⑥⑥-⑦⑦

①①①①	②②	③	④	⑤⑤	⑥⑥	⑦⑦
Type	wavelength	Grade	Package spec	Fiber Diameter	Fiber Length	Connector
IS22:2X2 Single stage IU22:2X2 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