

High-Power Optical Isolator

The High-Power Optical Isolator is directional optical component used in fiber optical module, EDFA, and communication systems. The device provides excellent performance, stability and has met Bellcore-1209 requirements.



Features

- Low Insertion Loss
- High Isolation
- High Return Loss
- High Stability and Excellent Reliability

Applications

- EDFA
- Communication systems
- Testing instruments

Specifications

Item	Unit	Specifications			
		≤5W (PM or Non-PM)		5W~10W (Non-PM)	
		Single stage	Dual stage	Single stage	Dual stage
Center Wavelength	nm	1310 or 1550			
Operating Bandwidth	nm	±15			
Insertion Loss	dB	≒ 0.60	≒ 0.80	≒ 0.70	≒ 0.80
Isolation		≒ 30	≒ 46	≒ 30	≒ 46
PDL (for Non-PM isolator)		≒ 0.10	≒ 0.15	≒ 0.10	≒ 0.15
Extinction Ratio (for PM isolator)	dB	≒ 20(Type B) ≒ 22(Type F)		/	/
PMD (for Non-PM isolator)		≒ 0.25	≒ 0.05	≒ 0.25	≒ 0.05
Return Loss	dB	≒ 55	≒ 55	≒ 55	≒ 55
Max. Optical Power	W	≒ 5		5 ~ 10	
Operating Temperature	°C	0 to +70			
Storage Temperature	°C	-40 to +85			

* Type B: Both axis working, Type F: Fast axis blocked.

Ordering Information

ISO-□-□-□-□-□-□-□

- Connectors Type: FC/PC, FC/APC, SC/PC, SC/APC, LC/PC or others
- Fiber Length (Unit:m)
- Cable Type: 025:Φ0.25mm, 09:Φ0.9mm
- Working axis type: B= Both axis working, F=Fast axis blocked
- Wavelength: 131:1310nm, 155:1550nm
- Stage: S: Single stage, D: Dual stage
- HP: NON-PM Fiber; HPM: PM Fiber