

Fiber Optic Isolator

Fiber optic isolator transmits the forward light but isolate the reflection light. With the metal bonding package technology, the device has low insertion loss, high optical isolation and stability. Both polarization dependent and independent models are available and meet Bellcore GR-1209-CORE specifications.



Features

- High Isolation
- Low Insertion Loss
- Epoxy-Free Optical Path
- High Stability and Excellent Reliability

Applications

- Fiber Optic Amplifiers
- High-Speed DFB Laser
- CATV Networks
- WDM Systems
- Telecommunication

Specifications

Item	Unit	Specifications			
		Single Stage		Dual Stage	
Wavelength Range	nm	1310±15, 1550±15		1310±30, 1550±30	
Grade		P	A	P	A
Insertion Loss	dB	≦ 0.50	≦ 0.70	≦ 0.50	≦ 0.70
Peak Isolation (Typ.)	dB	≧ 42	≧ 40	≧ 55	≧ 52
Minimum Isolation (23°C)	dB	≧ 30	≧ 30	≧ 50	≧ 45
Polarization Dependent Loss	dB	≦ 0.10	≦ 0.15	≦ 0.10	≦ 0.15
Polarization Mode Dispersion	ps	≦ 0.20	≦ 0.25	≦ 0.05	≦ 0.10
Return Loss	dB	≧ 60	≧ 55	≧ 60	≧ 55
Maximum Power Handling	mW	≦ 300			
Maximum Tensile Load	N	5			
Operating Temperature	°C	0 to +70			
Storage Temperature	°C	-40 to +85			

Ordering Information

