



## Optical Isolator

Optical isolators that minimize backreflection and backscattering in the reverse direction at any polarization state, and low polarization mode dispersion (PMD). The optical path is epoxy-free, thereby enabling high-power applications. They are based on metalized solder package technology and featured with the best stability and reliability. The products meet the Telcordia GR-1221-CORE.

### Features

- Low PDL and PMD
- Optical Path Epoxy-free
- Low insertion Loss
- High stability and reliability

### Applications

- EDFA
- Raman Amplifiers
- WDM Systems
- Transmitters and Fiber Lasers

### Specifications

Parameter	Unit	Value			
		Single Stage		Dual Stage	
		P Grade	A Grade	P Grade	A Grade
Operating Wavelength Range	nm	C-band:1528nm~1564nm L-band:1570nm~1605nm 1310±15, 1460±15, 1480±15			
Insertion Loss (Max.) (23 C, over operating wavelength range)	dB	0.5	0.6	0.6	0.7
TDL (Max.) (over full operation temperature)	dB	0.1	0.15	0.1	0.15
Isolation (Min.) (23 C, over operating wavelength range)	dB	30	30	46	46
Return Loss (input/output ports) (Min.)	dB	60/60	60/55	60/60	60/55
PDL (Max.)	dB	0.1	0.15	0.1	0.15
PMD (Max.)	ps	0.2(0.05)	0.2(0.05)	0.05	0.05
Maximum Optical Power	mW	500			
Maximum Tensile Load	N	5			
Operation Temperature	°C	-10~+65			
Storage Temperature	°C	-40~+85			
Standard Package size	mm	Φ5.5×32		Φ5.5×34	
Mini type package size	mm	Φ3.8×22		Φ3.8×25	

Note: 1. Values are referenced without connector loss. 2. For Optional PMD<0.05ps is for mini models, add 0.05dB IL.

### Ordering Information

ISO Type	Wavelength	Grade	Fiber Dia.	Fiber length	Connector
ISO: standard ISOM: Mini package	155:1550nm 131:1310nm	P:P Grade A:A Grade	025:Φ0.25mm 09:Φ0.9mm	1:1m customer specifies	00:no connector FC/PC, FC/APC SC/PC, SC/APC LC/PC, MU/PC Customer specifies