Optical Isolator

ACCELINK TECHNOLOGIES CO.,LTD.

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

Features

- High Stable and Reliable
- Optical Path Epoxy-Free

Applications

- Optical Amplifiers
- WDM Systems

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	60/60
PDL (Max.)	dB	0.1	0.15	0.1	0.15
PMD (Max.)	ps	0.2, 0.05(Low PMD)		0.05	0.05
Maximum optical power	mW	500			
Maximum tensile load	N	5			
Operation temperature	°C	-10~+65			
Storage temperature	°C	-40~+85			
Package	mm	Φ5.5×34			

Note:All insertion loss referenced without connector .

Ordering information

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Type	Wavelength	Grade	Fiber Dia.	Fiber length	Connector
PIS:polarization independent, single stage; PID:polarization independent, dual stage; LPMD:Low PMD single stage	131: 1310nm 155: 1550nm	P: P grade A: A grade	025:Φ0.25mm 09:Φ0.9mm	1:1.0m customer specify	00:no connector FC,SC,LC,MU/PC, UPC,APC