



1、Description

1x2 Optical isolator, utilizes Faraday effect of Magneto optical crystal. it guides optical light in one direction and eliminates back reflection and back scattering in the reverse direction at any polarization state. the unique manufacturing process and optical path epoxy-free design enhance the device's high power handling capability. the devices are characterized with high performance, high reliability and low cost.

2、Feature

- High Isolation
- Low Insertion Loss
- High Return Loss
- Optic Path Epoxy Free
- Low Polarization Sensitivity

3、Specification

Performance Specifications				
Parameter	Specification			
Operating Wavelength (nm)	1310/1550/customized			
Operating Wavelength Range(nm)	±15		±18	
Type	Single stage		Dual stage	
Grade	Grade P	Grade A	Grade P	Grade A
Type Insertion Loss 23 degree	0.35	0.45	0.5	0.6
Insertion Loss (max.) 23	0.55	0.65	0.8	0.9

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1x2 Optical Isolator

degree				
Typical Isolation(min) (dB)	40	38	50	50
Minimum Isolation(min)* (dB)	30	29	44	42
Max. PDL (dB)	0.08	0.1	0.08	0.1
PMD(ps)	0.25(0.05 available upon request)		0.05	
Return loss (In/out) (dB)	55/50			
Maximum Optical Power (mw)	500			
Maximum Tensile Load (N)	5			
Operation Temperature	-5~75 degree			
Storage Temperature	-40~+85 degree			

4、Application

- Fiber optic Amplifiers
- CATV Fiber optic Links
- Fiber optic Systems Testing
- Fiber optic LAN Systems
- Telecommunications

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