HL2100-S

1064 nm Optical Isolator, Single Stage, 800 mW

The HL2100-S is a 1064 nm optical isolator, single stage, 800 mW. It guides optical light in one direction and eliminates back reflection and back scattering in the reverse direction at any polarization state. The devices are characterized with high performance, high reliability and low cost. It has been widely used in EDFAs, Raman amplifiers, DWDM systems, fiber lasers, transmitters and other fiber optic communication equipments to suppress back reflection and back scattering.

High Power Component

FEATURES

- Low Insertion Loss
- High Return Loss
- High Isolation
- Low Polarization Sensitivity

USE IN

- Fiber Optic Amplifiers
- HFC Fiber Optic Links
- Fiber Optic Systems Testing
- Fiber Optic LAN Systems

Center Wavelength	1064 nm
Operating Wavelength Range	±5 nm
Peak Isolation@23°C	30 dB typ.
Isolation@23°C	25 dB min.
Insertion Loss@23°C	0.8 dB typ.; 1.0 dB max.
Polarization Dependent Loss at 23°C, Only for PI	0.15 dB max.
Return Loss(Input/Output)	45 dB min.
Average Optical Power	800 mW max.
Peak Power for NS Pulse	10 kW max.
Tensile Load	5 N max.
Operating Temperature	+10°C to +50°C
Storage Temperature	0°C to +60°C