



Isolator Series



The product description

Erbium group Isolator Series are designed for guarding the laser from back reflected light. The isolator normally rotate the polarized plane for 45° clockwise in the forward direction, an $\lambda/2$ waveplate is in option if other output polarization is preferred. The high transmission efficiency, high isolation, high power handling ability and large aperture features make it flexible to fit different applications in laser protection.

Technical indicators

Model	Preci-Isolater-1064	Preci-Isolater-976
Central Wavelength(λ_c) (nm)	1064 976 or specify	976 976 or specify
Operating wavelength range (nm)	+/-10	+/-10
Peak Transmission(λ_c , 23℃) (%)	>95	>95
Peak Isolation(λ_c , 23℃) (dB)	>35	>35
Input Polarization	specify	specify
Output Polarization	specify	specify
Aperture (mm)	5 or specify	5
Optical Average Power(W)	150 or specify	20
Damage Threshold	10 J/cm ² @ 10 ns 1 J/cm ² @ 8 ps	10 J/cm ² @ 10 ns 1 J/cm ² @ 8 ps
Operating Temperature (℃)	10 to 30	10 to 30
Storage temperature (℃)	0 to 60	0 to 60

Structure size

