1535nm Narrow Bandpass Filter

The 1535nm narrow bandpass filter is a high-performance optical filter specifically designed to allow light at the central wavelength of 1535nm to pass through while effectively blocking light at other wavelengths. This filter features a narrow bandwidth, high transmission rate, and a wide operating temperature range, making it ideal for applications in LiDAR and laser ranging.

Key Features

- Narrow bandwidth
- High Transmission
- Wide operating temperature range

Applications

LiDAR

Laser ranging

Technical Specifications

Parameter	
center Wavelength (nm)	1535
FWHM (nm)	40±1
Transmission	T>95%@1535±5nm, AOI=0°-8° T>90%@1535±5nm, AOI=0°-14.5°
Blocking Range	OD>3 @900-1505nm, OD>3 @1578-1750nm
Incident Angle (°)	0±14.5
Dimensions* (mm)	Φ10x1
Diameter Tolerance (mm)	+0.0/-0.1
Central Thickness Tolerance (mm)	±0.1
Clear Aperture	>95%
Operating Temperature (℃)	-40~+70

*Dimensions can be customized according to requirements.

Spectrum