

# Single Mode High Temperature Fiber Collimator 1310nm (Fixed/Adjustable Working Distance)



## ● Product Description

The use of high temperature resistant optical fiber, high temperature resistant manufacturing process and materials can meet the application environment of working temperature of -40~220°C. The FC/APC high temperature resistant connectors specially used for high temperature devices can ensure the stability of optical fiber docking signals in high temperature environment. The products must undergo a 48-hour 220° high temperature reliability test before leaving the factory to ensure the reliability of the devices in long-term working in high temperature environment.

## ● Part Number

NIR-CLM-1310-0.44-0.22-FA

## General Parameters

Working wavelength	Bandwidth	Working distance	Outlet spot	Beam divergence	Package diameter	Connertor	Exit loss	Return loss	Mode field diameter
1310nm	±20nm	100mm	0.44mm	0.22°	4.0mm	FC/APC	≤ 0.5dB	≥55dB	9.2 ± 0.4um
1310nm	±20nm	300mm	0.81mm	0.13°	4.0mm	FC/APC	≤ 0.5dB	≥55dB	
1310nm	±20nm	1000mm	1.27mm	0.10°	4.0mm	FC/APC	≤ 0.5dB	≥55dB	
1550nm	±20nm	100mm	0.50mm	0.26°	4.0mm	FC/APC	≤ 0.5dB	≥55dB	10.4 ± 0.5um
1550nm	±20nm	300mm	0.92mm	0.14°	4.0mm	FC/APC	≤ 0.5dB	≥55dB	
1550nm	±20nm	1000mm	1.45mm	0.08°	4.0mm	FC/APC	≤ 0.5dB	≥55dB	
1654nm	±20nm	100mm	0.52mm	0.26°	4.0mm	FC/APC	≤ 0.5dB	≥55dB	
1654nm	±20nm	300mm	0.96mm	0.14°	4.0mm	FC/APC	≤ 0.5dB	≥55dB	
1654nm	±20nm	1000mm	1.50mm	0.08°	4.0mm	FC/APC	≤ 0.5dB	≥55dB	

Beam waist spot diameter: Take the Gaussian beam 1/e<sup>2</sup>, and select the theoretical calculated value of single-mode optical fiber of each wavelength. Packaging materials and other optical fiber connector types can be customized