

850nm 1-meter Long Distance Fiber Collimator, Polarization Maintaining



● Product Description

The fiber collimators from Idealphotonics are pre-aligned and designed to collimate light emitted from FC/APC connector fibers, with diffraction-limiting performance. These fiber collimators have no moving parts, are compact in structure, and are easy to integrate into existing systems. Currently, they support working wavelengths of 532/633/780/850/915/1064/1310/1550nm.

● Part Number

NIR-CLM-W850-1-PA

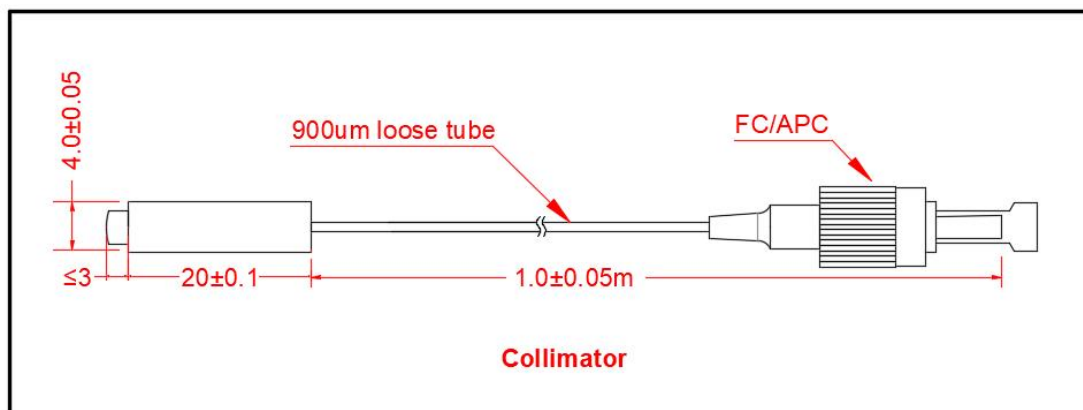
● Product features

Long working distance、 Each collimator is pre-aligned before leaving the factory、 Simplifies fiber coupling detection systems

● Application area

Fiber Amplifier、WDM & DWDM Systems、Optical Equipment、Fiber Lasers

● Dimensional Drawing



Technical Parameters

Parameters	Specs
Center Wavelength	850nm
Insertion Loss (IL)	≤1.5dB
Return Loss (RL)	≥55dB
Working Distance	1000mm
Connector Type	FC/APC
Fiber Type	PM780
Fiber Length	1.0±0.05m
Maximum Optical Power (CW)	300mW
Buffer Tube Type	0.9mm loose tube
Dimensions	Φ4.0xL20mm

Experimental measurement

The following was filled out by AOL Labs staff:

Test date	2021.11.5	Engineer	Yang Guang, Chen Hongyu, Dai Jiahao
-----------	-----------	----------	-------------------------------------

Test product	850nm fiber collimator	Auditor	Wang Xiuxiang
Return Loss (RL)	Testing the beam waist of 850nm fiber collimator		
Working Distance	DUMA M2 Beam U3 beam profiler		

850nm 1m long distance fiber collimator

Model: NIR-CLM-W850-1-FA

NO.: 21081241

