850nm 1m long distance fiber collimator single mode

Product Description

Idealphotonics' fiber collimators are pre-aligned and used to collimate the light emitted from FC/APC-connected fibers with diffraction-limited performance. These fiber collimators have no moving parts and are compact, making them easy to integrate into existing devices. Currently supported operating bands include 532/633/780/850/915/1064/1310/1550nm.

Part Number

NIR-CLM-W850-1-SA

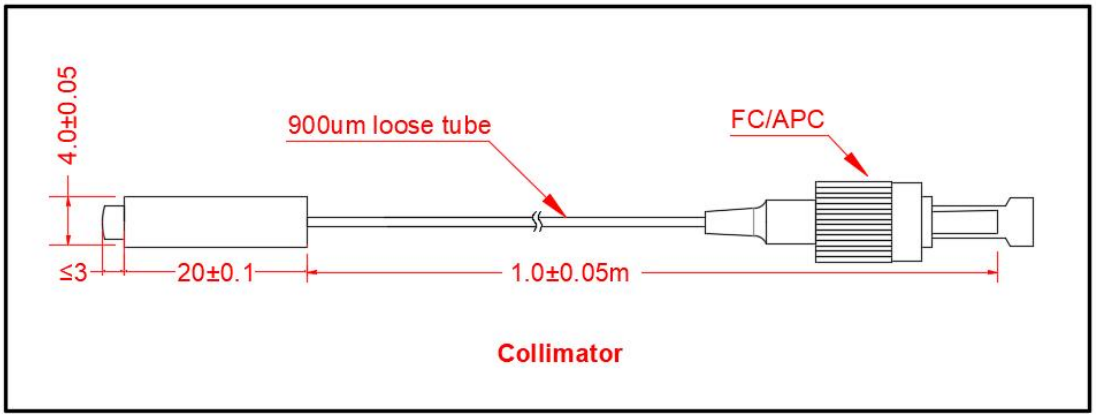
Product features

Long operating distance、 Each collimator is factory aligned、 Simplified fiber-coupled detection system

Application area

Fiber amplifier、 WDM & DWDM System、 Fiber equipment、 Fiber laser

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		

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Model：NIR-CLM-W850-1-FA

NO.：21081241