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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

www.idealphotonics.com

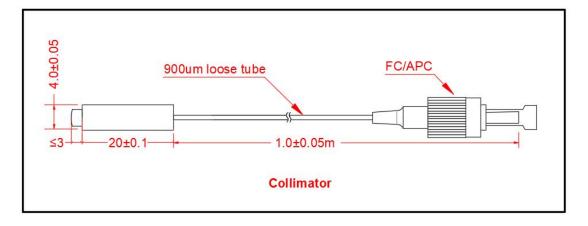




• Application area

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

| 1 | The following w | as filled out by AOL Labs staff: | |
|-----------|-----------------|----------------------------------|--|
| Test date | 2021.11.5 | Engineer | Yang Guang, Chen Hongyu, Dai Jiahao |





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| Working Distance DUMA M2 Beam U3 beam profiler Sonm 1m long distance fiber collimator odel: NIR-CLM-W850-1-FA O.: 21081241 0.: 21081241 |
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 32 fps

 12 bpp
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1/11/5 14:47:08 Wavelength: 633nm Clip Level: 13.5% Average: Off Filter: ND500 Line Centroid

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C

0.3 0.6 0.9 1.2



Gain 1

C Auto

View Control | Filter Wheel | Video | Calculation |

5.2 dB