



## 1550nm polarization-maintaining fiber collimator (50mm working distance)



- **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.



## ● Product features

Fiber collimator with FC/APC connector for PM patch cords (or single mode patch cords)、 20 or 50 mm working distance、 Each collimator is factory aligned

## ● Part Number

MP-CLM-1550-50-PA

## ● Application area

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

## ● Core parameters

Wavelength	Working Distance	Operating Power
1550±30nm	50mm	≤500mW

## ● General Parameters

Parameters

Operating wavelength	1550±30nm	1550±30nm	1550±30nm
Insertion loss	≤0.55	≤0.55	≤0.55
Extinction ratio	≥21dB	≥21dB	≥21dB



<b>Return loss</b>	<b>≥55dB</b>	<b>≥55dB</b>	<b>≥55dB</b>
<b>Operating distinct</b>	<b>20mm</b>	<b>20mm</b>	<b>20mm</b>
<b>Operating power</b>	<b>≤500mw</b>	<b>≤500mw</b>	<b>≤500mw</b>
<b>Connector type</b>	<b>FC/APC X 1</b>	<b>FC/APC X 1</b>	<b>FC/APC X 1</b>
<b>Fiber type</b>	<b>SM15-PS-U25D</b>	<b>SM15-PS-U25D</b>	<b>SM15-PS-U25D</b>
<b>Pigtail type</b>	<b>900um loose tube (Red)</b>	<b>900um loose tube (Blue)</b>	<b>900um loose tube (White)</b>
<b>Fiber length</b>	<b>1m</b>	<b>1m</b>	<b>1m</b>
<b>Operating temperature</b>	<b>-5-+70°C</b>	<b>-5-+70°C</b>	<b>-5-+70°C</b>
<b>Storage temperature</b>	<b>-40-+85°C</b>	<b>-40-+85°C</b>	<b>-40-+85°C</b>
<b>Dimension</b>	<b>3.2X10mm</b>	<b>3.2X10mm</b>	<b>3.2X10mm</b>