

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	$\geq 21\text{dB}$	$\geq 21\text{dB}$	$\geq 21\text{dB}$
Return loss	$\geq 55\text{dB}$	$\geq 55\text{dB}$	$\geq 55\text{dB}$
Operating distinct	20mm	20mm	20mm
Operating power	$\leq 500\text{mw}$	$\leq 500\text{mw}$	$\leq 500\text{mw}$
Connector type	FC/APC X 1	FC/APC X 1	FC/APC X 1
Fiber type	SM15-PS-U25D	SM15-PS-U25D	SM15-PS-U25D
Pigtail type	900um loose tube (Red)	900um loose tube (Blue)	900um loose tube (White)
Fiber length	1m	1m	1m
Operating temperature	-5-+70°C	-5-+70°C	-5-+70°C
Storage temperature	-40-+85°C	-40-+85°C	-40-+85°C
Dimension	3.2X10mm	3.2X10mm	3.2X10mm