

1550nm Single-mode Fiber Collimator (20mm Working Distance)



● Product Description

The fiber collimator from Idealphotonics is pre-aligned and designed to collimate light emitted from an FC/APC connector fiber, with diffraction-limiting performance. These fiber collimators have no moving parts, are compact in structure, and can be easily integrated into existing systems.

● Part Number

NIR-COL-W1550-20-1-9-SA

● Product features

Fiber collimator with FC/APC connector, designed for polarization-maintaining jumpers、 20mm working distance、 Each collimator is pre-aligned at the factory.

● Application area

Fiber amplifier、WDM & DWDM systems、Fiber optic equipment、Fiber laser

Parameters

Parameters	NIR-COL-W1550-50-1-9-PA	NIR-COL-W1550-20-1-9-PA	NIR-COL-W1550-20-1-9-SA (single mode)
Operating wavelength	1550±30nm	1550±30nm	1550±30nm
Insertion loss	≤0.55	≤0.55	≤0.55
Return loss	≥55dB	≥55dB	≥55dB
Working distance	50mm	20mm	20mm
Operating power	≤500mw	≤500mw	≤500mw
Connector type	FC/APC X 1	FC/APC X 1	FC/APC X 1
Fiber type	SM15-PS-U25D	SM15-PS-U25D	SMF-28e
Pigtail type	900 μm loose tube (red)	900 μm loose tube (blue)	900 μm loose tube (white)
Fiber length	1m	1m	1m
Operating temperature	-5-+70℃	-5-+70℃	-5-+70℃
Storage temperature	-40-+85℃	-40-+85℃	-40-+85℃
Dimensions	3.2X10mm	3.2X10mm	3.2X10mm