

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.

● Part Number

NIR-COL-W1550-50-1-9-PA

● 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

● Application area

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

Parameters

Parameters

Parameter	NIR-COL-W1550-50-1-9-PA	NIR-COL-W1550-20-1-9-PA	NIR-COL-W1550-50-1-9-SA(single mode)
Operating wavelength	1550±30nm	1550±30nm	1550±30nm
Insertion loss	≤0.55	≤0.55	≤0.55
Extinction ratio	≥21dB	≥21dB	≥21dB
Return loss	≥55dB	≥55dB	≥55dB
Operating distinct	20mm	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	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℃	-5-+70℃	-5-+70℃
Storage temperature	-40-+85℃	-40-+85℃	-40-+85℃
Dimension	3.2X10mm	3.2X10mm	3.2X10mm