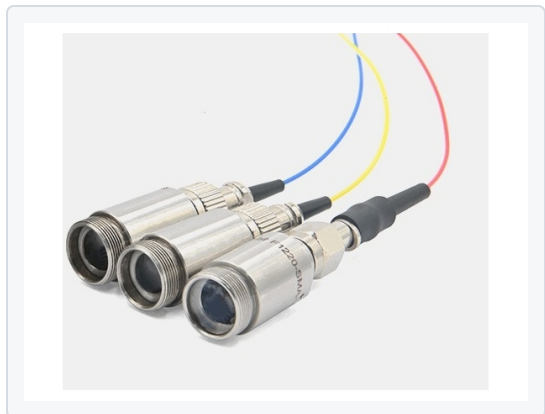


PASSIVE COMPONENTS

Fiber Collimator

Fiber collimator with 0.25 dB insertion loss at 1310 and 1550 nm, covering 1260 nm to 1650 nm.



Key Features

- Insertion loss ≤ 0.25 dB at 1310 and 1550 nm
- Broadband coverage from 1260 nm to 1650 nm
- Also available at 1064 nm
- ± 30 nm bandwidth

Applications

- Free-space sections inside optical assemblies
- Filter, isolator and switch subassemblies
- Open-beam sensing and measurement paths
- Laboratory beam delivery

Overview

A collimator takes the diverging output of a fiber and turns it into a parallel beam, so light can cross a free-space gap and be coupled back into fiber on the other side. Every free-space element inside an optical assembly — an isolator core, a filter, a MEMS mirror — sits between a pair of them.

Insertion loss is 0.25 dB at 1310 and 1550 nm and 0.3 dB at 1064 nm, with the broadband version covering 1260 nm to 1650 nm at ± 30 nm bandwidth.

Specifications

Optical Performance

PARAMETER	VALUE	UNIT	CONDITIONS
Operating Wavelength	1310 / 1550 / 1064, or 1260 – 1650	nm	
Bandwidth	±30	nm	
Insertion Loss	≤ 0.25	dB	1310 and 1550 nm
Insertion Loss	≤ 0.3	dB	1064 nm

Order or request a quote

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