

# Single/Dual Fiber Collimator

## Descriptions

Collimators are the basic parts for micro optical components like DWDM filter, isolator, circulator, and optical switch.

## Features

- ▶ Low Insertion Loss
- ▶ High Return Loss
- ▶ High stability & Reliability



## Applications

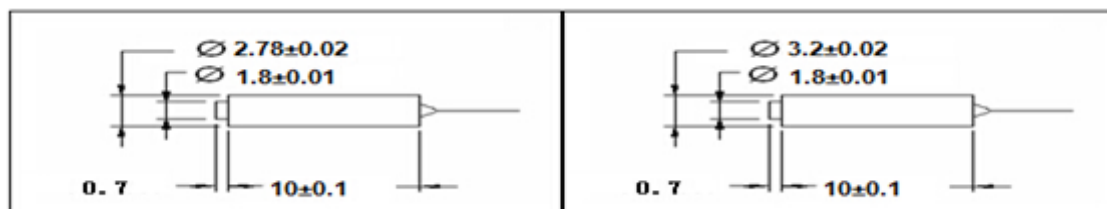
- ▶ Micro optical components

## Specifications

Parameter	Unit	Value						
Center Wavelength	Nm	1550/1310	980/1060	850	780	633	532	405
Operating Wavelength Range	nm	±40	±20	±20	±15	±15	±15	±15
Typ.Insertion Loss at 23℃	dB	0.20	0.25	0.40	0.60	0.70	0.80	0.80
Max.Insertion Loss at 23℃	dB	0.25	0.30	0.50	0.70	0.80	1.00	1.00
Min.Return Loss	dB	For APC: 60; For PC: 50						
Working distance (WD)	mm	5,10 or Customer Request						
Max.Optical Power(CW)	mW	500	300				100	
Max.Tensile Load	N	5						
Fiber Type	-	SMF-28e or others	HI1060 (flex)	SM800	HI780	SM 600	SM 460	SM 405
Operating Temperature	℃	-40 ~ + 85						
Storage Temperature	℃	-40 ~ +85						

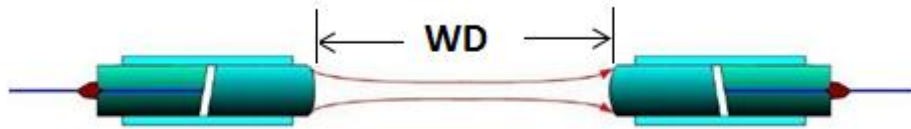
Remark: The above specification is without connector, IL is 0.3dB (1310~1550nm) or 0.40dB (980~1060) or 0.60dB (780~850) or 1.20dB (405~630) higher, RL is 5dB lower for each connector added.

## Package Dimensions



Glass tube

Metal holder



Fiber collimator adjustment

### Ordering Information

COLL — A — B — C — D — E — F — G — H		
<b>A</b>	Center Wavelength	1550=1550nm,1310=1310nm,1060=1060nm
<b>B</b>	Configuration	S=Single fiber, D=Dual fiber
<b>C</b>	Lens type	C=C Lens, G=Grin Lens
<b>D</b>	Working Distance	5=5mm, 10=10mm,S=Specify
<b>E</b>	Pigtail Type	BF=Bare Fiber,0.9=0.9mm Tube
<b>F</b>	Package Size	1=Glass tube,2=Metal holder
<b>G</b>	Connector type	N=None, LC/UPC, LC/APC, SC/UPC,SC/APC, FC/UPC, FC/APC, etc
<b>H</b>	Fiber length	003=0.3m, 005=0.5m; 010=1.0m 100=10m etc
For example: COLL -1550 - S - G -5 - BF - 1 - N - 010		