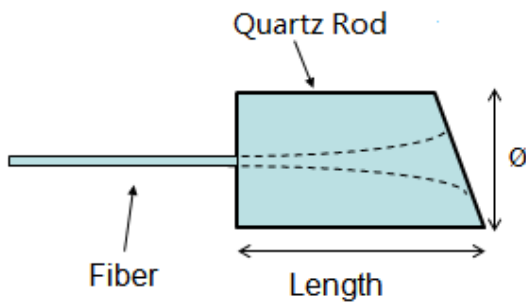


Fiber End-Cap

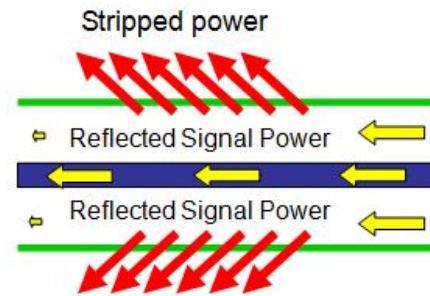
Description

Fiber End-Cap is designed for output termination of high power fiber laser and fiber amplifier to reduce the power density at output fiber facet.

A Y mm-diameter and X mm-long quartz rod is fused and spliced to the fiber facet for beam expansion while preserving minimal beam distortion. A Cladding Light Stripper is built inside in order to remove the reflection power in the fiber inner cladding.



Y mm -diameter and X mm-long quartz rod



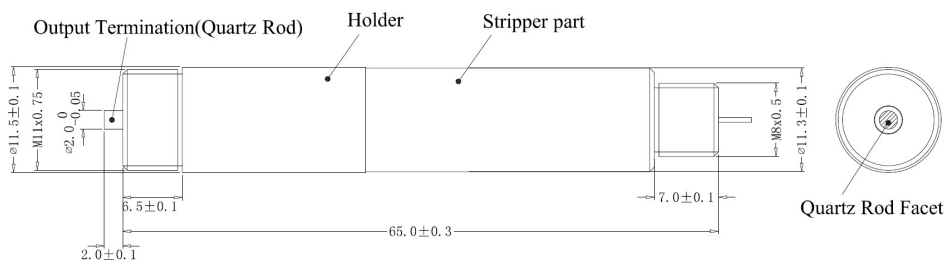
Built-in Cladding Light Stripper

Key Features

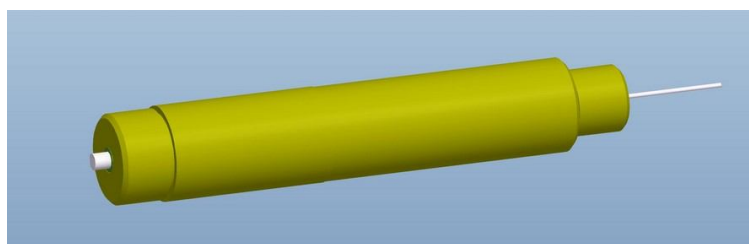
- High Signal Transfer Efficiency
- Built-in Cladding Light Stripper
- Low Beam Distortion
- Customized Configurations Available

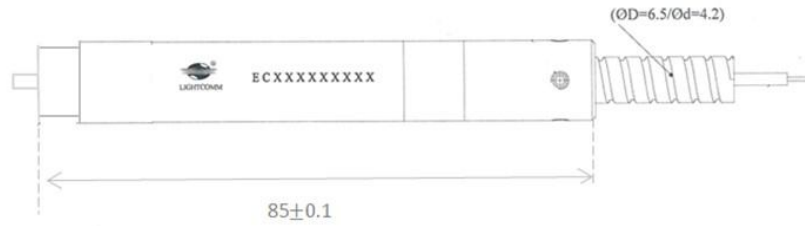
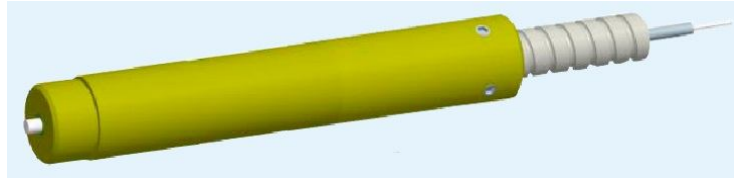
Mechanical Dimension (Packaged)

Bare Fiber Version:



Unit: mm



Armored Cable Version:

Unit: mm

Specifications

Parameters/Test conditions		Min	Typ	Max	Unit	Remark
1	Fiber Core Diameter	6		30	μm	
2	Fiber Cladding Diameter	125		600	μm	
3	End-Cap Quartz Rod Length	5	10	15	mm	X
4	End-Cap Quartz Rod Diameter	2			mm	Y
5	Facet Angle	0 ±0.5	8 ±0.5		Deg	AR coated, T≥99.7%
6	Signal Insertion Loss		0.1	0.3	dB	
7	Optical Return Loss		50		dB	Built-in cladding light stripper
8	Output Beam M ²		1.5		-	
9	Power Handling		200		W	
10	Fiber Length	0.8		15	m	Request on demand
11	Operating Environment Temperature	-5		+70	°C	
12	Operating Humidity	5		95	%RH	Not recommended under high humidity for long time.
13	Storage Temperature	-40		+85	°C	
14	Package Dimension	Ø11.5×L65, Ø11.5×L85			mm	
15	Pigtail Type	Bare fiber or Armored			-	

Note: Output beam width depends on Fiber type/ End-cap quartz rod length/Operating wavelength.

Ordering Information

EC - Fiber code- Wavelength- Y/X -Facet angle- Coating- Power- Pigtail type- Pigtail length (Fiber/Teflon Tube /Armored Cable)

Y: End-cap quartz rod diameter, e.g. 2 (mm).

X: End-cap quartz rod length, e.g. 5, 10, 15 (mm).

Facet Angle: 0 or 8 (degree).

Coating: 0= Uncoated, 1= AR coated.

Power: 100W, 200W etc.

Pigtail Type: 0=Bare Fiber, 1= Armored Cable (ØD=6.5mm).

Pigtail Length: If armored cable version selected, e.g. 10/8/7m, means the total fiber length is 10meters, total Teflon tube length is 8meters and total armored cable length is 7meters;

If bare fiber version selected, only fiber length item is needed, e.g. 10m.