



Optical Fiber End Caps

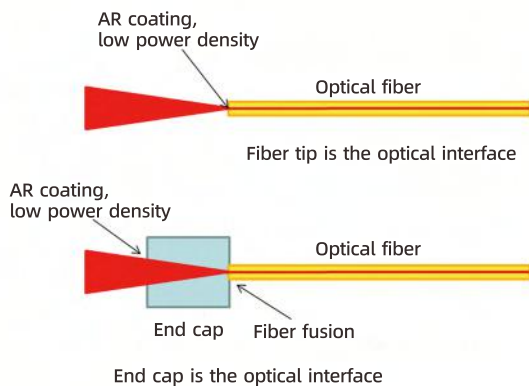
INTRODUCTION

The end cap is a small piece of coreless quartz, which was spliced to the fiber tip to reduce the light intensity at the air-to-glass interface. But there is another design to fuse the graded-index (GRIN) fiber to the single mode fiber to obtain the collimated or focused light in the probe application.

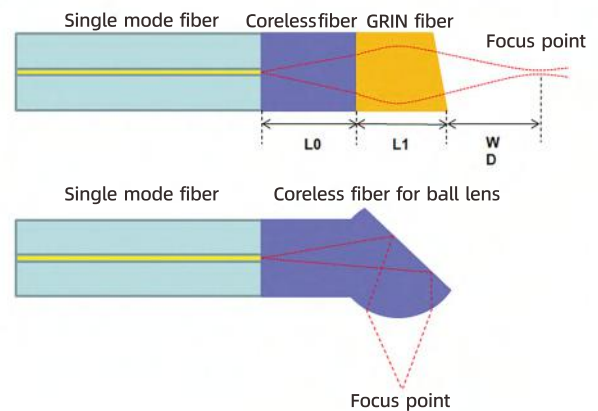
FEATURES

- ◆ The fiber and end cap type can be custom define
- ◆ The end cap tolerance was precision control
- ◆ Excellent fusion quality with CO2 laser
- ◆ Multi segment end caps continuous splicing is accepted
- ◆ The end cap facet can be plane or angle polishing
- ◆ AR coated is optional

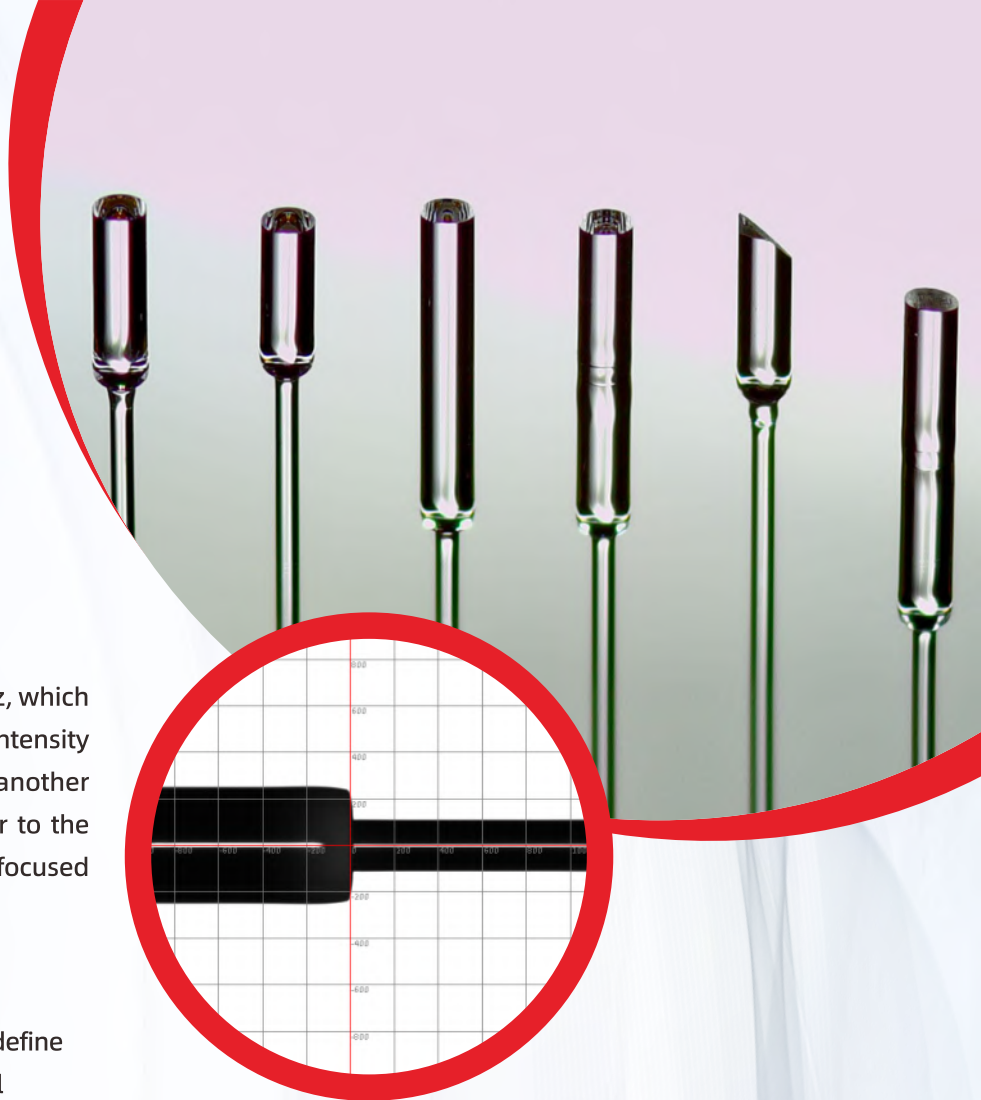
OPTICAL ROAD MAP



High Power Laser End Cap



Optical Fiber Probe End Cap


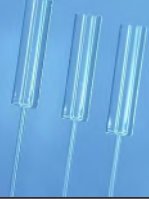

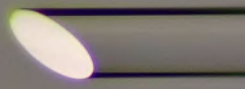
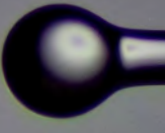
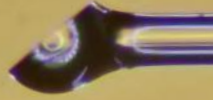


SPECIFICATION


End cap type	QBH end cap/Laser coupling/Optical probe
Splice points	Less than 5 points
End cap material	Fused silicon quartz / Coreless fiber / GRIN fiber
End cap size	Custom define
Optical fiber type	SMF-28E/SM-Hi1060/MM-200-220-22NA/Other
Total length and stripped size	Custom define
AR coating design	$R < 0.2\%$ @ $CW \pm 25nm$ / custom define

Note: The specification here is only for reference, for each customized order, please provide more detail information.

END CAP SHAPE FOR REFERENCE

End cap for QBH	End cap for laser source coupling	End cap with glass tube assembly
		
SMF+NCF+GRIN+Angle Polish	SMF+NCF + Ball Lens	SMF+NCF+ Angle Ball
		

APPLICATION

		
QBH fiber connector	Hi-Power Laser Fiber Coupling	Ultra-small Optical Fiber Probe

Optical fiber micro-processing
and thin film coating