



福津光电
PHOTONSTREAM

Optical fiber micro-processing
and thin film coating

High Power Laser Optics Fiber Tail

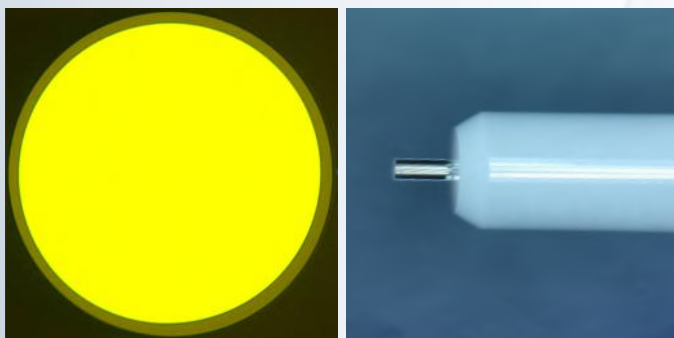
▶ INTRODUCTION

PHOTONSTREAM have developed special protruding optical fiber tail for high power laser product for 10 years, base on our super cleaning polishing and high reliability of AR coating technology, this fiber tail is competent for coupling hundreds watt of 9xxnm laser, which is the high brightness pump source for industrial fiber laser.

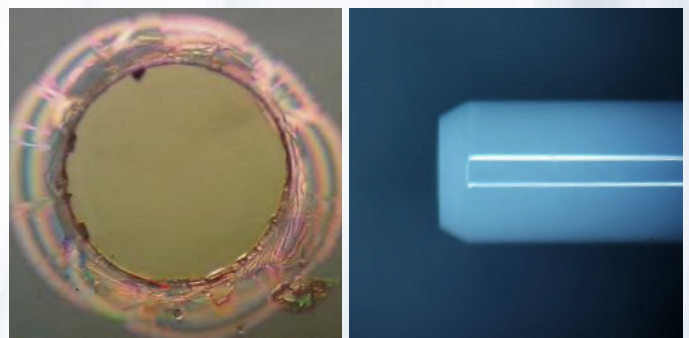
▶ FEATURES

- ◆ Fiber tip protruding design: no epoxy ring around the fiber tip; no multiple CTE substrate under the AR coating layer; no contamination float from ferrule area
- ◆ Special design for high power laser, high laser damage threshold of AR coating, lower absorption
- ◆ Super cleaning surface quality, compliance with MIL13830B the highest standard
- ◆ Output Connector: bare tip, standard FC, LC, ST or SMA905 and with loose tube is acceptable
- ◆ Multiple material of ferrule for selection: Ceramic, glass, kovar and copper ferrule

▶ PICTURES



Hi-reliability of protruding fiber tip



Epoxy ring in flat tip is easy burning and crack



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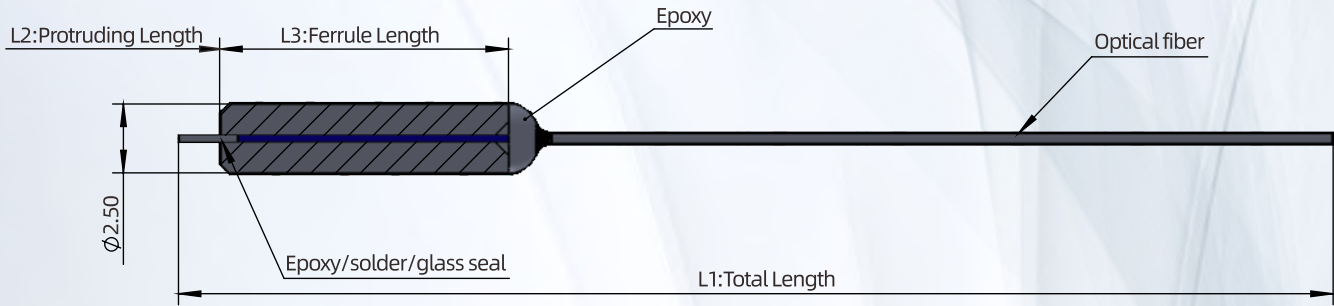
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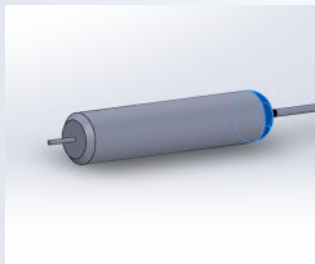


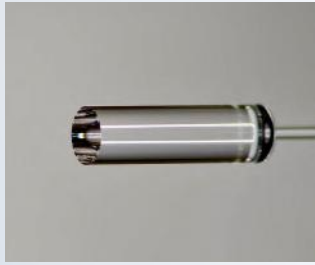

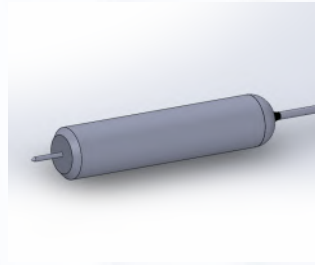
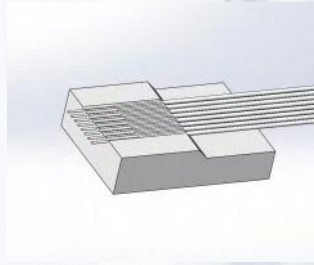
Add: 2F,BLDG 6,#168,ChangshanIZ,

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DRAWING

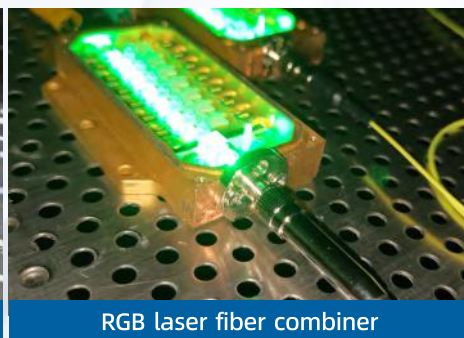
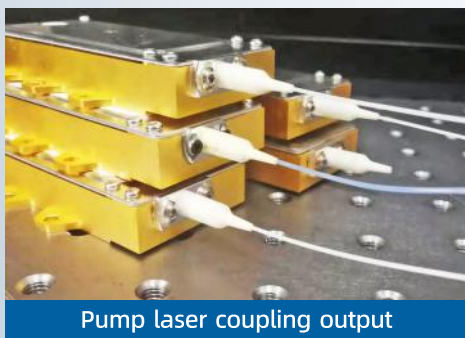


HI-POWER FIBER TAIL DESIGN MODEL

Ceramic Ferrule	Ceramic Ferrules with Flange	Glass Ferrules	Kovar Tube with Metallized Fiber
			
End Cap	With Cladding Light Stripper	Lensed Fiber Assembly	Protruding Fiber Array
			

Note: (1) The drawing and parameters here are only for reference, the customer was required to provide detail drawing
 (2) AR coating for fiber tip or endcap is mandatory for high power

APPLICATION



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