

单斜面透镜光纤

Angle-polished lensed fiber

产品描述: Product Overview

单斜面光纤, 是将光纤一端按照一定的角度研磨抛光, 获得不同角度的斜面镜, 主要用减少端面回返, 或者改变光传输路径。Angle-polished lensed fiber is produced by precision polishing techniques to obtain different angles tip, which mainly to reduce the light return or change the optical transmitted direction.

应用领域

Product Application

主要应用于激光端面耦合, 光纤侧面耦合。Mainly used for laser coupling,

- PLC device Coupling
- Side pump optical fiber combiner
- Optical sensor receiver
- Endoscope illumination

特点

Product Feature

Photonstream have unique fiber polishing techniques to produce angle tip as high as to 75degree, and with different coating design, we can satisfy most of customer requirement.

- ±0.2° polishing angle precision
- Super clean tip finishing surface
- AR/Hi-reflection coating

主要参数

Product parameter

光纤类型 Fiber Type	单模 / 多模 / 保偏光纤或客户指定 Single-mode, multimode, large core fiber or Customer Specified
光纤型号 Fiber Model	SMF-28, Hi1060, Nufern 105/125um MM fiber 或客户指定 Customize
涂敷层剥除长度 Fiber Tip Stripped Length	客户定制+/-0.5mm, 或客户指定 Customize Custom size +/-0.5mm, Customize
斜面角度 (与光纤轴向的夹角) Polishing facet to fiber axis	15° ~ 90°(see in the reference picture)
光纤长度 Length of the Fiber	50-200cm, 或客户指定 Customize
光纤头镀膜参数 Coating Parameter	增透膜, R<0.2@中心波长+/-50nm Anti-reflection coating, R<0.2@Center wavelength+/-50nm

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产品图片


Product Image

单斜面示意图 schematic diagram	实物图片 actual picture	参数 Parameter	应用 Product Application
82° 单斜面 Angle Polished Fiber 82° 		光纤 82°研磨抛光 +减反膜 Fiber polishing angle 82° +Anti-reflection Coating	PLC coupling(光学分路器) Fiber connector(光纤连接器) DWDM component coupling
30° 单斜面 Angle Polished Fiber 30° 		Fiber polishing angle:30° +Hi-reflection Coating	Optical sensor Endoscope illumination Optical sensor receiver
45° 单斜面 Angle Polished Fiber 45° 		Fiber polishing angle: 45° +Hi-reflection Coating/Reflective Coating	90 Optical sensor Endoscope illumination Optical sensor receiver

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60° 单斜面 Angle Polished Fiber 60° 		Fiber grinding and polishing 60°~75°	光纤侧面泵浦合束器 side pump fiber combiner
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