

光子带隙空芯光纤 Photonic band gap hollow-core fiber

产品描述 Product description

我们可制备石英基光子带隙型空芯光纤，设计低损传输窗口可覆盖可见至中红外波段。

另外，我们可以提供保偏光子带隙型空芯光纤等特殊设计和定制服务。

We can develop quartz based photonic band gap hollow-core fiber. The low loss transmission window can be designed to cover visible to mid-infrared band.

In addition, we can provide special design and customization services such as polarization maintaining photonic band gap hollow-core fiber.

产品特色 Product characteristics

低传输损耗
Low transmission loss

低弯曲损耗
Low bending loss

可调谐色散
Tunable dispersion

准单模
Quasi single mode

产品应用 Product application

光纤陀螺
Fiber optic gyroscope

脉冲压缩
Pulse compression

气体非线性研究
Gas nonlinearity research

光纤传感和光纤通信
Optical fiber sensing and optical fiber communication

产品规格 Fiber specifications

光学特性 Optical specifications

Working wavelength	1550 nm
Transmission band	1490-1650 nm
Transmission loss	30 dB/km
Mode field diameter	10 μm

物理特性 Physical properties

Core diameter	13 μm
Cladding diameter	150 μm

