

供应nufern SM-HDF-10 / 130光纤

产品名称	供应nufern SM-HDF-10 / 130光纤
公司名称	绵阳慧联光通信设备有限公司
价格	4200.00/米
规格参数	品牌:nufern 型号: SM-HDF-10/130
公司地址	四川省绵阳市涪城区长虹大道南段83号
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产品详情

四川供应nufern sm-hdf-10/130特种光纤

eyesafe 10 micron core holmium-

doped sm double clad fiber

sm fiber featuring a unique low na (< 0.1) high concentration ho-doped core design. the ho-doped fiber can be pumped

by a tm-doped fiber laser at ~ 1950 -nm and can achieve 60% efficiency. the high na (0.46) large pump cladding waveguide

allows for efficient coupling of high pump powers, but with its small core size this fiber can easily be core-pumped as well.

this fiber features a single mode large core/cladding ratio with a low na and is ideally suited for both cw and pulsed laser

applications.

typical applications

- high power cw and pulsed

- eyesafe ($\sim 2 \mu\text{m}$) lasers and

amplifiers

- military and commercial lidar

- $\sim 2 \mu\text{m}$ output tem fiber lasers for

pumping solid state crystal lasers

features & benefits

- unique low na ho-doped core design – robust single-mode beam quality
- nucoat™ fluoroacrylate coating – greater fiber durability in extreme environmental operating & storage conditions
- high pump absorption – short fiber length, efficient lasing in the $\sim 2 \mu\text{m}$ window
- fiber designed for either core-pumping or clad-pumping.

optical specifications sm-hdf-10/130

operating wavelength 2100 – 2200 nm

core na 0.150 \pm 0.020

first cladding na (5%) 0.46

cladding attenuation 15.0 db/km @ 810 nm

cladding absorption 0.30 \pm 0.20 db/m at 1150

nm

geometrical & mechanical

specifications

cladding diameter (flat-to-flat) 130.0 \pm 2.0 μm

core diameter 10.0 \pm 1.0 μm

coating diameter 220.0 \pm 10.0 μm

coating concentricity < 5.0 μm

core/clad offset 0.50 μ m

proof test level 100 kpsi (0.7 gn/m²)