

# Raman pigtail





## Raman pigtail

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### **Optical fiber probe for biomedical Raman spectroscopy**

Raman spectroscopy is proving to be a valuable and accurate tool for diagnosing disease and studying bi-ological tissue.<sup>1,2</sup> This technique utilizes inelastically scattered laser light to provide detailed

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### **600 mW Fiber Bragg Grating Stabilized 14xx nm Pump Modules**

S36 Series The Lumentum S36 series 14xx nm laser diode pump is wavelength-selected using grating-stabilized, polarization maintaining (PM) fiber. It offers up to 600 mW for 1420 to 1470 nm wavelength

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## **Volume-Holographic-Grating**

This laser is pigtailed to an FC/PC-terminated multimode fiber, making it ideal for applications that require high-power, homogeneous sample illumination, such as Raman spectroscopy.

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## **Pigtail vs Chest Tube for Hemothorax?**

Learn how pigtail catheters compare with large-bore chest tubes for the treatment of traumatic hemothorax through the findings of a medical study.

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## **Outpatient Management of A Spontaneous**

A patient with a hemodynamically stable spontaneous pneumothorax can be managed as an outpatient using the placement of a small-bore pigtail catheter



## **1480nm Laser Diode, Raman Amplifiers (PUMP LASER)**

These FITELE 1480nm pump lasers are designed for Raman amplification and amplifiers. Key features include an integrated FBG (fiber Bragg grating) for high

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## **Fiber optic probes add flexibility to Raman chemical analysis**

Raman spectroscopy is well suited for the analysis of inorganic materials, especially in identifying the crystal phases and polymorphs, as demonstrated by the analyses of minerals and pigments in a

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## **WDM coupler for Raman Amplification**



Raman amplifiers Optical fiber lasers Nonlinear systems Specifications: Ordering Information: WDM-R-a-b-c-d a: Wavelength of the 14xx signal; a=1445 for 1445nm. b: Configuration of the WDM coupler;

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## **UMEM Educational Pearls**

UMEM Educational Pearls Title: Pigtail Catheter Insertion Tips Category: Trauma Keywords: Pigtail (PubMed Search) Posted: 10/4/2024 by Robert Flint, MD (Updated: 10/6/2024)

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## **Optical Fiber Probe with Integrated Micro-Optical Filter**

Optical fiber Raman and surface-enhanced Raman scattering (SERS) probes hold great promise for in vivo biosensing and in situ monitoring of hostile

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## **Improved performance of a Raman fiber laser by inserting a segment**

In this work we report that the insertion of a small MFD optical fiber segment at the output end of a single-mode optical fiber used as a Raman gain medium improves the Raman gain

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## **Co-packaged optics (CPO): status, challenges, and**

Due to the rise of 5G, IoT, AI, and high-performance computing applications, datacenter traffic has grown at a compound annual growth rate of

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## **Review of optical fibre probes for enhanced Raman**



After a short introduction to surface-enhanced Raman scattering technology, professional algorithms for design optimization of the fibre Raman

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## **Optical Fiber Probe with Integrated Micro-Optical Filter**

With further optimization of the associated spectroscopic system, this ultra-compact microprobe shows great promise for Raman and SERS optical fiber

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## **Application of pigtail catheter tailing combined with : Medicine**

No serious complications were observed in all patients. The pigtail catheter tailing and long guidewire swapping is considered as a safe procedure with high success rate for loop

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## **785nm Raman Probe for Liquid or Solid Samples**

The standard Raman Probe supports an excitation wavelength of 785nm which can be coupled to a laser diode through the FC/PC connector (SMA905 available)

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## **InPhotonics: Accessories for Raman spectroscopy.**

Raman measurement of routine samples is easy and safe with InPhotonics' compact sample holder. A spring-loaded cap prevents unnecessary exposure to laser

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## **Improved performance of a Raman fiber laser by inserting a segment**

S1 represents the splice between the FL@1064-nm pigtail and the Raman gain fiber, S2 represents the splice between the Raman gain fiber and the small core optical fiber



segment.

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## Multimode Graded Index Fiber with Random Array of

Light propagation in multimode fibers is known to experience various nonlinear effects, which are being actively studied. One of the interesting effects

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## Raman Probes

StellarNet Raman Probes are perfect for a variety of laboratory and process Raman applications. Multiple Wavelengths such as 532, 633, 785, & 1064nm are standard "in stock" options.

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## **550 mW Fiber Bragg Grating Stabilized 14xx nm Pump Modules**

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## **RL-RP Pigtail Raman Probe 1805**

Current Amplifiers: Fixed Gain, Variable Gain, High Speed. Variable Gain Current Amplifier Comparison. Charge Amplifiers. Voltage Amplifiers: Low Frequency, Wideband, Logarithmic. High Speed GHz

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## **Fixing device for pigtail and probe of a portable Raman spectrometer**

In order to meet the needs of different testing occasions, portable Raman spectrometers



generally have longer pigtails to flexibly test samples at different positions. The standard safety box

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