

Highly Doped Erbium-Doped Polarization-Maintaining Fiber



Overview

Our Er-doped and Er/Yb PM fibers are offered with high QCE values minimizing the fiber length and thus reducing nonlinear effects. These fibers, manufactured by nLight, Inc. Liekki DND technology was designed to. PM Erbium Doped Fiber (F-DHB1500) combines Fibercore's greatest areas of expertise: Erbium doped fiber and Polarization Maintaining (PM) fiber.



Highly Doped Erbium-Doped Polarization-Maintaining Fiber



We present an all-polarization-maintaining (PM) compact passively mode-locked fiber laser using a PM wavelength division multiplexer (WDM) ...



These PM fibers are highly-doped for short application length and low nonlinearities, and are single-clad for core-pumped applications. They are ideal for ultrashort (femtosecond) pulse amplifiers and lasers, ...



An erbium-doped polarization-maintaining (PM) fiber has been manufactured. The core is codoped with Ge and Al and a gain of 36 dB is achieved.



This study demonstrates a linearly polarized Er-doped fiber laser system featuring an all-polarization-maintaining (all-PM) architecture. Short pulses were generated by Q-switching operation based on ...



It unites the well-established core composition of IsoGain™ Erbium Doped Fiber (EDF), with the highly effective "Bow-Tie" geometry used for polarization maintaining fiber.



In this paper, a combination of two simulation tools provided by Optiwave Systems Inc. is used to perform a remote fiber Bragg grating (FBG) ...



They are designed with excellent properties such as high birefringence and great polarization maintenance. Our Er-doped and Er/Yb PM fibers are offered with high QCE values minimizing the ...



High stability of dual-wavelength erbium doped fiber laser using PM-EDF as filter. Peak power fluctuation of 0.005 dB only with compact ring cavity structure. A stable dual-wavelength ...



We present an all-polarization-maintaining (PM) compact passively mode-locked fiber laser using a PM wavelength division multiplexer (WDM)-isolator-tap (WIT) hybrid device with good ...



PM Erbium Doped Fiber combines Fibercore's greatest areas of expertise: erbium doped fiber and Polarization Maintaining (PM) fiber. It unites the well-established core composition of IsoGain™ ...



In this paper, a combination of two simulation tools provided by Optiwave Systems Inc. is used to perform a remote fiber Bragg grating (FBG) based strain-temperature sensor setup.



This study examines the influence of quenching dynamics on the efficiency of erbium-doped fiber amplifiers (EDFAs) with high erbium-ion (E^{3+} -ions) doping concentrations, comparing ...

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