

## Uniform Long Period Fiber Grating



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Traditionally, long period fiber gratings (LPG) are made in passive optical fibers that have negligible loss. However, loss or gain that can be controlled via optical pumping adds a new degree of freedom and ...



Long period Fiber Gratings Product Description: In comparison with a fiber Bragg grating, a long period Fiber Grating (LPFG) has a much longer period, which can considerably exceed the wavelength of ...



Decades have passed since the first demonstration of a long-period fiber grating (LPFG) and its practical application for sensors, and, in this period, manufacturing techniques, sensitivity ...



In this work, we propose and demonstrate a dual-pitch staggered long-period fiber grating (DSP-LPFG) capable of facilitating mode conversion between two distinct mode pairs.



We propose and demonstrate, for the first time, a method of ...



In this work, the entire fabrication and characterization process of the LPFGs in SMF-28e fibers inscribed by fs-laser direct writing with periods to couple to low and high order cladding modes is ...



In this chapter we will make a review of the relevant aspects of LPFGs.



It is an optical fiber structure with the properties periodically varying along the fiber, such that the conditions for the interaction of several copropagating modes are satisfied. The period of such a ...



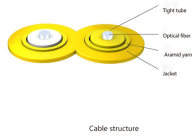
This paper presents a review of the evolution of LPFGs, with a specific focus on the progression and current trends of mechanically induced long-period fiber gratings.



In this work, we reviewed the most important achievements of INESC TEC related to the fabrication of long-period fiber gratings using the electric arc technique.



O/E LAND INC. manufactures long period gratings, with model number OELPG-100 according to customer specifications. We also have an increasing inventory of long period gratings, off the shelf, ...



We propose and demonstrate, for the first time, a method of inducing strong mode coupling and reducing group delay spread using uniform long-period gratings (LPGs).

## Contact Us

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