

PowerSpectrum™

TeraXion

The PowerSpectrum™ product family includes various types of Fiber Bragg Grating based devices intended to be used in high performance Fiber Lasers and Semiconductor Lasers.



The PowerSpectrum™ devices are based on TeraXion's solid expertise in Fiber Bragg Grating technology. The PowerSpectrum™ family includes standard and customized devices. The standard devices are optimized and fully qualified for specific applications. On the other hand, the customized devices are made to meet specific requirements. This balance between customized and standard products provides our customer base with the flexibility needed for prototyping (through intimate engineering support) and with an easy path to volume production ramp-up. On top of that, TeraXion has all the expertise in house to make sure that standard products are meeting even the most demanding performance and reliability requirements. The PowerSpectrum™ can be used for a broad range of functions in a broad range of laser system types, such as Fiber Lasers and Semiconductor Lasers.

Features

Broad type of functions

- › Reflectors
- › Filters
- › Pulse stretchers
- › Pulse compressors
- › Customized functions

Various type of packages

- › Athermal
- › Heat dissipating
- › Customized

Applications

- › CW high power Fiber Lasers
- › Pulsed high power Fiber Lasers
- › Ultra fast Fiber Lasers
- › Semiconductor Lasers



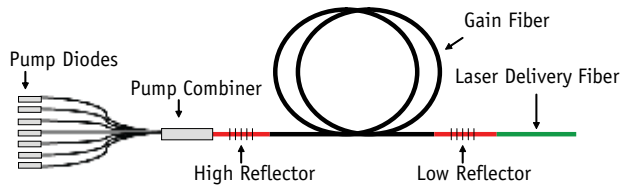
光技術をサポートする
株式会社オプトサイエンス

<http://www.optoscience.com>

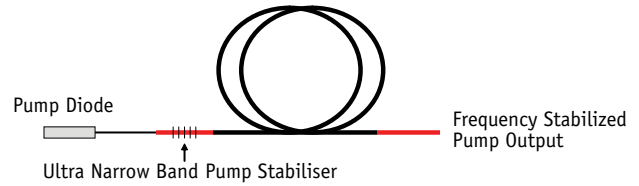
東京本社 〒160-0014 東京都新宿区内藤町1番地 内藤町ビルディング
TEL:03(3356)1064 FAX:03(3356)3466 E-mail:info@optoscience.com
大阪支店 〒532-0011 大阪市淀川区西中島7-7-2 新大阪ビル西館
TEL:06(6305)2064 FAX:06(6305)1030 E-mail:osk@optoscience.com
名古屋営業所 〒450-0002 名古屋市中村区名駅2-37-21 東海ソフトビル
TEL:052(569)6064 FAX:052(569)8064 E-mail:ngo@optoscience.com

Typical Applications

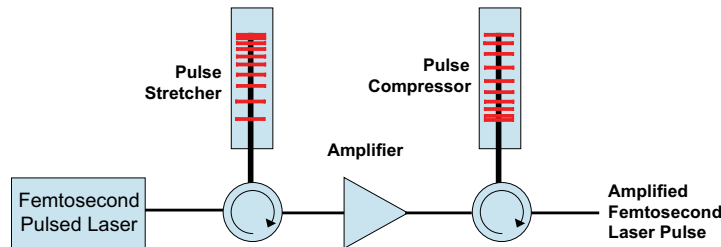
High Power Fiber Laser Reflectors (PWS-HPR)



Ultra Narrow Band Pump Stabilisers (PWS-NLS)



Femtosecond Laser Pulse Stretcher and Pulse Compressor



Specifications*

Standard wavelengths	850 to 1150 nm 1250 to 1350 nm 1400 to 1630 nm 2 µm band
Reflectivity	1 to 99.99%
Bandwidth	0.010 nm to over 100 nm Single or multichannel
Fiber type	Single mode fiber with or without cladding mode suppression Polarization maintaining fiber with or without cladding mode suppression Double clad fiber Custom fiber
Package	None, athermal, thermal dissipating, module or customized
Recoating	Acrylate or low index polymer

* Any other specification will be looked into.

Ordering information

For orders, questions, specific requirements, or to learn more about TeraXion products, contact us at info@teraxion.com

Contact information

2716, rue Einstein
Québec QC G1P 4S8
CANADA
Phone: 418 658-9500
Fax: 418 658-9595



© 2008 by TeraXion Inc. All rights reserved.

TeraXion Inc. reserves all of its rights to make additions, modifications, improvements, withdrawals and/or changes to its product lines and/or product characteristics at any time and without prior notice. Although every effort is made to ensure the accuracy of the information provided on this spec sheet, TeraXion Inc. does not guarantee its exactness and cannot be held liable for inaccuracies or omissions.

www.teraxion.com