

FASTLITE

Ultrafast - Shaping - Measurement - Control



DAZZLER™ HR 800

High Resolution-cut 25mm DAZZLER™

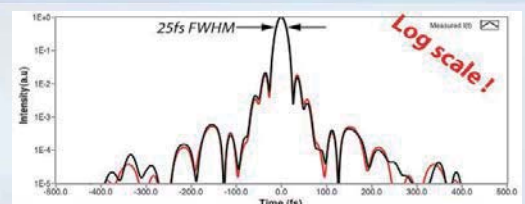
Specifications

PROGRAMMABLE AMPLITUDE AND PHASE FILTER
FOR FEMTOSECOND LASER PULSE SHAPING

- | | |
|---|---|
| ✓ Ultra-compact device | ✓ In-line geometry |
| ✓ Advanced software functionalities | ✓ Simple optical alignment |
| • Wavelength tuning range | 680 nm to 920 nm |
| ○ Wavelengths outside this range are poorly or not diffracted | |
| • Instantaneous bandwidth | up to 240 nm |
| • Spectral resolution | 0.3 nm at 800 nm |
| • Intensity control dynamic range | > 45 dB |
| • Maximum programmable delay | 8 ps at 800 nm |
| • Diffraction efficiency for operation up to 10 kHz | 50% on a 50 nm bandwidth
25% on a 100 nm bandwidth
40% on a 100 nm bandwidth
40% on a 240 nm bandwidth |
| ○ With optional 20W RF amplifier (up to 6kHz) | |
| ○ With optional 50W external RF amplifier (up to 2.5kHz) | |
| • Typical acoustic waveform refreshing time | < 3ms |
| • Input beam requirements | 30 μJ max on $\phi = 2.5$ mm, collimated |
| • Optical module dimensions | 48 x 94 x 20 mm ³ |
| • Typical optical jitter | < 10 fs |
| ○ With optional Low-jitter electronics | < 100 as |

✓ Special feature for Ti:Sa amplifiers optimization

High dynamic pulse compression optimization
When combined with the *Wizzler* feedback loop.



Phone: +33 (0)4 88 13 17 51
Fax: +33 (0)4 92 95 76 90
E-mail: info@fastlite.com

FASTLITE
www.fastlite.com
Spec-HR800-rev2016-1 9/3/2016

Les collines de Sophia, Bât D1
1900 route des crêtes 06560
VALBONNE, FRANCE

PNEUM Co., Ltd.

5-15-3 Minamikoshigaya, Koshigaya-shi,
Saitama-ken, 343-0845, Japan

TEL: 81-48-985-2720
FAX: 81-48-985-2721
info@pneum.co.jp 1607