

## **DAZZLER™ HR45-650-1100**

High Resolution-cut 45mm DAZZLER™ specifications

Programmable amplitude and phase filter for femtosecond pulse shaping

- √ Ultra-compact device
- ✓ Advanced software functionalities
- ✓ In-line geometry
- √ Simple optical alignment

Wavelength tuning range

650 nm to 1100 nm

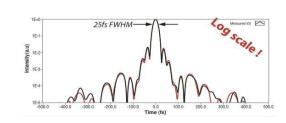
Wavelengths outside this range are poorly or not diffracted

Instantaneous bandwidth	up to 450 nm
Spectral resolution	0.1 nm at 650 nm 0.2nm at 900 nm 0.3 nm at 1000 nm
Intensity control dynamic range	> 45 dB
Maximum programmable delay	14 ps at 900 nm
<ul> <li>Diffraction efficiency for operation up to 5 kHz</li> <li>With optional 20W RF amplifier (up to 3kHz)</li> <li>With optional 50W external RF amplifier (up to 1.5kHz)</li> </ul>	50% on a 100 nm bandwidth 25% on a 200 nm bandwidth 40% on a 200 nm bandwidth 45% on a 450 nm bandwidth
Typical acoustic waveform refreshing time	< 3ms
Input beam requirements	30 $\mu J$ max on $\phi$ = 2.5 mm, collimated
Optical module dimensions	52 x 105 x 23 mm <sup>3</sup>
Typical optical jitter	< 10 fs

## ✓ Special feature for Ti:Sa amplifiers optimization

With optional Low-jitter electronics

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



< 100 as

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