FASTLITE

Ultrafast - Shaping - Measurement - Control



DAZZLER™ Qz-250-400

80 mm length UV DAZZLER™

Specifications

PROGRAMMABLE AMPLITUDE AND PHASE FILTER FOR FEMTOSECOND LASER PULSE SHAPING

- √ Ultra-compact device
- ✓ Advanced software functionalities
- ✓ In-line geometry
- √ Simple optical alignment
- Wavelength tuning range 250 nm to 400 nm
 - o Wavelengths outside this range are poorly or not diffracted

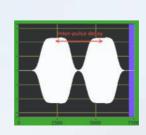
Instantaneous bandwidth	up to 150 nm
Spectral resolution	0.1 nm at 250 nm
	0.2 nm at 400 nm
Intensity control dynamic range	> 45 dB
Maximum programmable delay	4.0 ps at 250 nm
	2.9 ps at 400 nm
Diffraction efficiency for operation up to 6 kHz	20% at 250 nm
	10% at 400 nm
 For 30 to 70 fs input pulse duration 	
Typical acoustic waveform refreshing time	< 10 ms
Input beam requirements	10 μ J max on ϕ = 1.5 mm, collimated
Optical module dimensions	113 x 194 x 30 mm ³
Typical optical jitter	< 10 fs
 With optional Low-jitter electronics 	< 100 as

√ Special feature for multidimensional spectroscopy experiments

The optional *Streaming mode* allows to switch between pre-defined pulse shapes at repetition rates up to 500Hz. The maximum number of waveforms is over 100 000. Includes specific hardware, software, and synchronization management.

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