



DAZZLER™ WR-510-950

Intermediate-cut 25mm DAZZLER™

Specifications

PROGRAMMABLE AMPLITUDE AND PHASE FILTER FOR FEMTOSECOND LASER PULSE SHAPING

✓ Ultra-compact device

✓ In-line geometry

✓ Simple optical alignment

- Wavelength tuning range
 - o Optional extended tuning range

✓ Advanced software functionalities

510 nm to 950 nm 460 nm to 740 nm

- Typical 30 to 40% diffraction efficiency drop on extended tuning range
- Wavelengths outside this range are poorly or not diffracted

Instantaneous bandwidth	up to 440 nm
Spectral resolution	0.2 nm at 530 nm
	0.5 nm at 900 nm
 Intensity control dynamic range 	> 45 dB
Maximum programmable delay	8 ps at 530 nm
	6 ps at 900 nm
Diffraction efficiency for operation up to 10 kHz	60% on a 50 nm bandwidth
	30% on a 100 nm bandwidth
 With optional 20W RF amplifier (up to 6kHz) 	40% on a 100 nm bandwidth
• With optional 50W external RF amplifier (up to 2.5kHz)	40% on a 250 nm bandwidth
• Typical acoustic waveform refreshing time	< 3ms
Input beam requirements	30 μ J max on ϕ = 2.5 mm, collimated
Optical module dimensions	33 x 85 x 22 mm ³
• Typical optical jitter	< 10 fs
• With optional Low-jitter electronics	< 100 as

✓ Special feature for multidimensional spectroscopy experiments

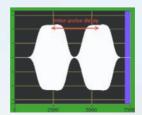
The optional **Streaming mode** allows to switch between pre-defined pulse shapes at repetition rates up to 500Hz. The maximum number of waveforms is over 100 000. Includes specific hardware, software, and synchronization management.

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