



## DAZZLER™ UWB-3500-7000

Wide Band-cut 22mm 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	3500 nm to 7000 nm
○ Wavelengths outside this range are poorly or not diffracted	
• Instantaneous bandwidth	up to 3500 nm
• Spectral resolution	7 cm <sup>-1</sup> at 5000 nm
• Intensity control dynamic range	> 45 dB
• Maximum programmable delay	4 ps at 5000 nm
• Diffraction efficiency for operation up to 10 kHz	15% on a 100 cm <sup>-1</sup> bandwidth
• Typical acoustic waveform refreshing time	< 3ms
• Input beam requirements	20 μJ max on $\phi = 2.5$ mm, collimated
• Optical module dimensions	XXXX mm <sup>3</sup>
• 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.

