



# DAZZLER™ UWB-500-800/T1 DAZZLER™ UWB-500-800/T2 Specifications

## ULTRA WIDE BAND WAVELENGTH DAZZLER™ PROGRAMMABLE AMPLITUDE AND PHASE FILTER FOR FEMTOSECOND LASER PULSE SHAPING

- **Ultra-compact device**
- **In-line geometry**
- **Simple optical alignment**

▶ Wavelength tuning range	500 nm - 800 nm*
▶ Instantaneous bandwidth	from 0,5 nm up to 300 nm maximum
▶ Spectral resolution @ 650 nm	0,5 nm
▶ Number of programming points on 200 nm bandwidth	400
▶ Intensity control dynamic range	> 45 dB
▶ Maximum programmable delay	> 3 psec
▶ Efficiency (100 nm bandwidth)	> 50%
▶ Efficiency (150nm bandwidth)	> 30%
▶ Optical power limit	100 MW/cm <sup>2</sup>
▶ Dimension of crystal module	50 x 90 x 20 mm <sup>3</sup>
▶ Typical acoustic waveform transfer time	
• Option T1: USB	1.5 sec
• Option T2: GPIB	< 40 msec

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Product specifications are subject to change at any time without prior notice

\*: These values correspond to the 3dB limits of the wavelength tuning range.

Some operation example are as follow:

- Center wavelength of 520 nm with an instantaneous bandwidth from 500 to 540nm
- Center wavelength of 550 nm with an instantaneous bandwidth from 500 to 600nm
- Center wavelength of 700 nm with an instantaneous bandwidth from 600 to 800nm
- Center wavelength of 650 nm with an instantaneous bandwidth from 500 to 800nm

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