



# DAZZLER™ HR-1550/T1 DAZZLER™ HR-1550/T2 Specifications

## HIGH RESOLUTION 1550nm WAVELENGTH DAZZLER™ PROGRAMMABLE AMPLITUDE AND PHASE FILTER FOR FEMTOSECOND LASER PULSE SHAPING

- **Ultra-compact device**
- **25mm interaction length**
- **In-line geometry**
- **Simple optical alignment**

▶ Central wavelength tuning range*	1450-1650 nm
▶ Instantaneous bandwidth	up to 200 nm maximum
▶ Spectral resolution @ 1550 nm	1 nm
▶ Number of programming points on 20 nm spectral width	20
▶ Intensity control dynamic range	> 50 dB
▶ Maximum programmable delay	> 5 psec
▶ Efficiency	
▶ over a 10 nm spectral width	> 70%
▶ over a 60nm spectral width	> 50%
▶ Optical power limit	100 MW/cm <sup>2</sup>
▶ Dimension of crystal module	50 x 100 x 20 mm <sup>3</sup>
▶ Typical acoustic waveform refreshing time	
• Option T1: USB	1.5 sec
• Option T2: GPIB	< 40 msec

Product Specifications are subject to change at any time without prior notice  
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\*: These values correspond to the 3dB limits of the wavelength tuning range.

Some operation example are as follow:

- Center wavelength of 1470 nm with an instantaneous bandwidth from 1450 to 1490nm
- Center wavelength of 1550 nm with an instantaneous bandwidth from 1540 to 1560nm
- Center wavelength of 1550 nm with an instantaneous bandwidth from 1450 to 1650nm
- Center wavelength of 1600 nm with an instantaneous bandwidth from 1550 to 1650nm

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