



DAZZLER™ HR-1150-1600

Specifications when combined with ZnSe plate

HIGH RESOLUTION TUNABLE DAZZLER™

PROGRAMMABLE AMPLITUDE AND PHASE FILTER FOR FEMTOSECOND LASER PULSE SHAPING

- **Ultra-compact device**
- **In-line geometry**
- **Simple optical alignment**
- **Specifications only applies when used in conjunction with a 1cm ZnSe block**

▶ Wavelength tuning range	1150 nm to 1600 nm*
▶ Instantaneous bandwidth	up to 450 nm maximum*
▶ Spectral resolution	
▶ @ 1150 nm	0,6 nm
▶ @ 1300 nm	0,8 nm
▶ @ 1600 nm	1,2 nm
▶ Intensity control dynamic range	> 45 dB
▶ Maximum programmable delay	> 6 psec
▶ Efficiency	> 50% over a 60nm bandwidth
▶ Maximum input energy in μ Joules at maximum beam diameter, when combined to the 1cm thick ZnSe plate	100
▶ Maximum beam diameter in mm	2.5
▶ Dimension of crystal module	50 x 100 x 20 mm ³
▶ Typical acoustic waveform refreshing time	
✓Option T1: USB	1.5 sec
✓Option T2: GPIB	< 40 msec

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

Product Specifications are subject to change at any time without prior notice
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HR-1150-1600-with-1cm-ZnSe