



## DAZZLER<sup>™</sup> HR1550

High Resolution-cut 25mm DAZZLER™ specifications

## Programmable amplitude and phase filter for femtosecond pulse shaping

- ✓ Ultra-compact device
- ✓ Advanced software functionalities
- ✓ In-line geometry
- ✓ Simple optical alignment
- Wavelength tuning range 1430 nm to 1670 nm • Wavelengths outside this range are poorly or not diffracted

Instantaneous bandwidth	up to 240 nm
Spectral resolution	1 nm at 1550 nm
Intensity control dynamic range	> 45 dB
Maximum programmable delay	7 ps at 1550 nm
Diffraction efficiency for operation up to 10 kHz	50% on a 50 nm bandwidth 25% on a 100 nm bandwidth
<ul> <li>With optional 20W RF amplifier (up to 6kHz)</li> <li>With optional 50W external RF amplifier (up to 2.5kHz</li> </ul>	40% on a 100 nm bandwidth 40% on a 240 nm bandwidth
Typical acoustic waveform refreshing time	< 3ms
Input beam requirements	30 $\mu$ J max on $\phi$ = 2.5 mm, collimated
Optical module dimensions	33 x 85 x 23 mm <sup>3</sup>
Typical optical jitter     O With optional Low-jitter electronics	< 10 fs < <i>100 a</i> s

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