



DAZZLER[™] HR800

High Resolution-cut 25mm DAZZLER™ specifications

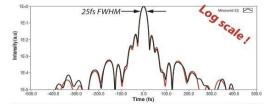
Programmable amplitude and phase filter for femtosecond pulse shaping

- ✓ Ultra-compact device
- ✓ Advanced software functionalities
- ✓ In-line geometry
- ✓ Simple optical alignment
- Wavelength tuning range 680 nm to 920 nm • Wavelengths outside this range are poorly or not diffracted

Instantaneous bandwidth	up to 240 nm
Spectral resolution	0.3 nm at 800 nm
Intensity control dynamic range	> 45 dB
Maximum programmable delay	8 ps at 800 nm
Diffraction efficiency for operation up to 10 kHz	50% on a 50 nm bandwidth 25% on a 100 nm bandwidth
 With optional 20W RF amplifier (up to 6kHz) With optional 50W external RF amplifier (up to 2.5kHz 	40% on a 100 nm bandwidth a) 40% on a 240 nm bandwidth
Typical acoustic waveform refreshing time	< 3ms
Input beam requirements	30 μ J max on ϕ = 2.5 mm, collimated
Optical module dimensions	48 x 94 x 20 mm3
Typical optical jitter O With optional Low-jitter electronics	< 10 fs < <i>100 as</i>

✓ Special feature for Ti:Sa amplifiers optimization

High dynamic pulse compression optimization When combined with the *Wizzler* feedback loop.



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