



DAZZLER[™] HR45-1030

High Resolution-cut 45mm 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 910 nm to 1150 nm • Wavelengths outside this range are poorly or not diffracted

Instantaneous bandwidth	up to 240 nm
Spectral resolution	0.3 nm at 1030 nm
 Intensity control dynamic range 	> 45 dB
Maximum programmable delay	14 ps at 1030 nm
 Diffraction efficiency for operation up to 5 kHz 	50% on a 100 nm bandwidth 25% on a 200 nm bandwidth
 With optional 20W RF amplifier (up to 3kHz) With optional 50W external RF amplifier (up to 1.5kHz) 	40% on a 200 nm bandwidth 60% 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	52 x 105 x 23 mm3
• Typical optical jitter With optional Low-jitter electronics 	< 10 fs < <i>100 as</i>

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