



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) 40% on a 200 nm bandwidth
 - With optional 50W external RF amplifier (up to 1.5kHz) 60% on a 240 nm bandwidth
- Typical acoustic waveform refreshing time < 3ms
- Input beam requirements 30 μ J max on $\phi = 2.5$ mm, collimated
- Optical module dimensions 52 x 105 x 23 mm³
- Typical optical jitter
 - < 10 fs
 - With optional Low-jitter electronics < 100 as