



DAZZLER[™] UHR-900-1700

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	900 nm to 1700 nm
◦ Wavelengths outside this range are poorly or not diffracted	
• Instantaneous bandwidth	up to 800 nm
• Spectral resolution	0.5 nm at 1030 nm 1 nm at 1550 nm
• Intensity control dynamic range	> 45 dB
• Maximum programmable delay	7.5 ps at 1030 nm 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
◦ With optional 20W RF amplifier (up to 6kHz)	40% on a 100 nm bandwidth
◦ With optional 50W external RF amplifier (up to 2.5kHz)	40% on a 240 nm bandwidth
• Typical acoustic waveform refreshing time	< 3ms
• Input beam requirements	30 μJ max on $\phi = 2.5$ mm, collimated
• Optical module dimensions	33 x 85 x 23 mm ³
• Typical optical jitter	< 10 fs
◦ With optional Low-jitter electronics	< 100 as