



DAZZLER™

WB45-950-1700

Specifications

WIDE BAND TUNABLE DAZZLER™

PROGRAMMABLE AMPLITUDE AND PHASE FILTER FOR FEMTOSECOND LASER PULSE SHAPING

- **Ultra-compact device**
- **45 mm crystal interaction length**
- **In-line geometry**
- **Simple optical alignment**
- ▶ Wavelength tuning range 950 nm to 1700 nm*
- ▶ Instantaneous bandwidth up to 750 nm maximum*
- ▶ Spectral resolution
 - ▶ @ 1150 nm 0.6 nm
 - ▶ @ 1300 nm 0.8 nm
 - ▶ @ 1600 nm 1.2 nm
- ▶ Intensity control dynamic range > 45 dB
- ▶ Maximum programmable delay > 6 psec
- ▶ Efficiency
 - > 70% over a 100nm spectral width
 - > 30% over a 300nm spectral width
 - > Best effort over 700nm spectral width
- ▶ Maximum input power 100 MW/cm²
- ▶ Maximum beam diameter in mm 2.5
- ▶ Dimension of crystal module 50 x 100 x 20 mm³
- ▶ Typical acoustic waveform refreshing time
 - ✓Option T1 2.5 sec
 - ✓Option T3 < 600 msec

Product Specifications are subject to change at any time without prior notice
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*: There is no diffraction for wavelength outside this band

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