



# DAZZLER™ HR-1550-2700 Specifications

## HIGH RESOLUTION TUNABLE DAZZLER™

- **45mm crystal interaction length**
- **Ultra-compact device**
- **In-line geometry**
- **Simple optical alignment**
- Wavelength tuning range 1550 nm to 2700 nm\*
- Instantaneous bandwidth up to 1150 nm maximum\*
- Spectral resolution
  - @ 1550 nm 1,1 nm
  - @ 2000 nm 1,7 nm
  - @ 2700 nm 3 nm
- Maximum programmable delay > 9 psec
- Efficiency
  - > 40% over a 100nm bandwidth
  - > 20% over 200nm
- Maximum input energy in  $\mu$ Joules at maximum beam diameter 20
- Maximum beam diameter in mm 3
- Dimension of crystal module 50 x 100 x 20 mm<sup>3</sup>
- Typical acoustic waveform refreshing time
  - Option T1: USB 2.5 sec
  - Option T2: GPIB < 100 msec

\*: These values correspond to the 3dB limits of the wavelength tuning range.

Some operation examples are as follow:

- Center wavelength of 1560nm with an instantaneous bandwidth from 1550 to 1570nm
- Center wavelength of 1600nm with an instantaneous bandwidth from 1550 to 1650nm
- Center wavelength of 2125nm with an instantaneous bandwidth from 1550 to 2700nm
- Center wavelength of 2650nm with an instantaneous bandwidth from 2600 to 2700nm

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