Ultrafast Fiber Laser Technology

Second Harmonic Generator

Calmar's Second Harmonic Generator converts any wavelength in the 1550 nm region to its second harmonic at 775 nm.

When used with a tunable wavelength source, such as one of Calmar's femtosecond lasers, the Second Harmonic Generator provides users with a range of wavelengths in the 765 nm to 780 nm region, thereby eliminating the need for dozens of 775 nm laser sources.

The Second Harmonic Generator has been designed for easy operation, and requires only a fiber optic input connection, and a fiber optic output connection.

The Second Harmonic Generator does not require electrical power.

- Input wavelength 1525 – 1570 nm
- Output wavelength 765 – 780 nm
- Conversion efficiency 0.0001/W
- Bandwidth 10 nm
- Easy configuration and operation
- Long term stability

Model Number	**SHG-02**
Input Wavelength (nm)	1525 - 1570
Output Wavelength (nm)	762 - 785
Conversion Efficiently (W^{-1})	0.0001
Bandwidth (nm)	10
Dimensions (cm)	37(w) x 16(d) x 25(h)

Specifications are subject to change without notice - 8/2003

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