NEW! ------ **Product Bulletin** ------

FFL-SHG Second Harmonic Generators

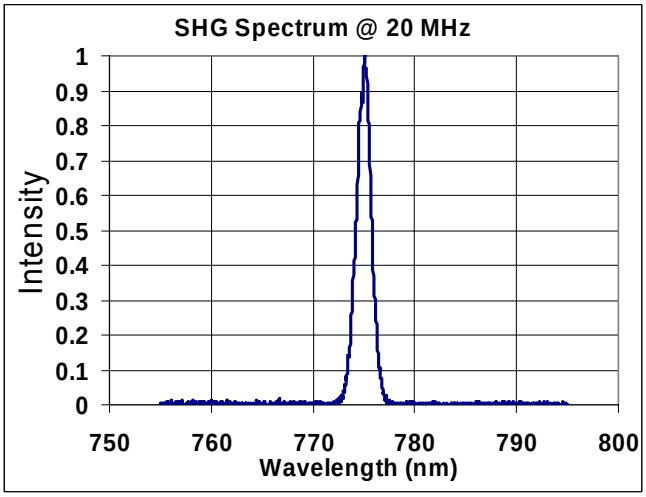
In response to customer requests, PriTel announces a Second Harmonic Generator for a variety of research applications at 765 to 780 nm.

PriTel's FFL Series of passively mode-locked lasers are easy-to-use fiber lasers that provide polarization maintaining, high peak power pulses at 1530 -1565 nm with pulsewidths from 7 ps to 0.6 ps. The addition of a temperature-controlled module containing periodically-poled $LiNbO_3$ yields frequency-doubled pulses from 765 to 780 nm.

The FFL fundamental source is easy to use with no external equipment required. The optics are fiber-based therefore no alignment is required. This makes the FFL-SHG system a very valuable tool in the research laboratory.

Applications include telecom, biomedical, microscopy and materials sciences.

SHG Module



Specifications

	FFL-SHG
Wavelength	765 nm to 780 nm, tunable
Pulsewidth	7 ps to 0.6 ps, variable
Optical Bandwidth	0.2 nm to 2 nm
Pulse repetition freq.	5 MHz – 100 MHz, fixed
Typical output power	100 mW free space, 70 mW fiber coupled
Fundamental suppression	≥ 40 dB
Optical	
SHG medium	Periodically-poled $LiNbO_3$
Fundamental source	Passively mode-locked fiber laser at 1530 – 1560 nm
Connectors	FC/PC (other connectors available on request) or free space
Environmental	
Operating temperature	+15 to 30°C
Storage temperature	-20 to 50°C
Electrical/ Mechanical	
Operating Voltage	85-264 VAC at 47-63 Hz
Power consumption	<250 W

PriTel

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