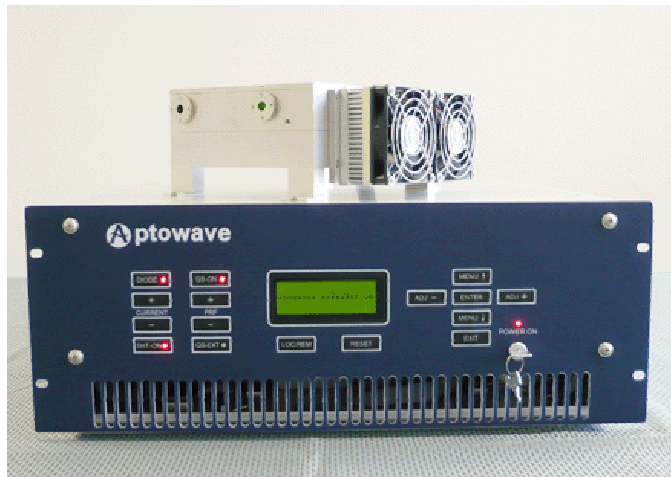


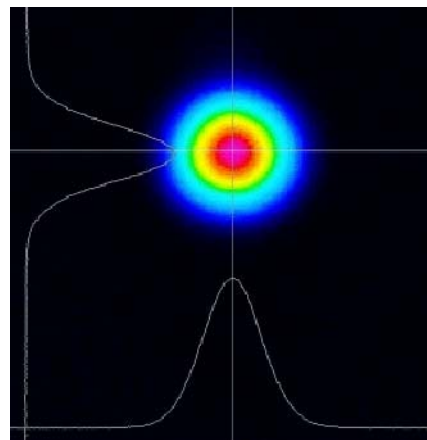
*A*WAVE-UV Series

Q-Switched Harmonic DPSS Lasers



ADVANTAGES

- Patent pending harmonic conversion technologies
- 24/7 proven reliability
- Excellent beam quality, pulse and pointing stability
- Low operational cost
- Field-replaceable pumping diode
- Ultra-compact and low weight



AWAVE UV SERIES

Awave UV series, are Q-switched, nano-second pulsed TEM00 mode lasers and engineered for the highly demanding 24/7 production environment, consisting of a laser head and a laser controller connected with a ~2.5 meter umbilical cable. The hermetically sealed pumping diodes are located in the laser controller for easy field-replacement. The laser head is hermetically packaged in a clean room. Awave UV series lasers are featured with pulse frequency ranging from 1-200 kHz (200~400 kHz is optional), average power covered from 10 mW to 12 W, with pulse energy in excess of 10 mJ.

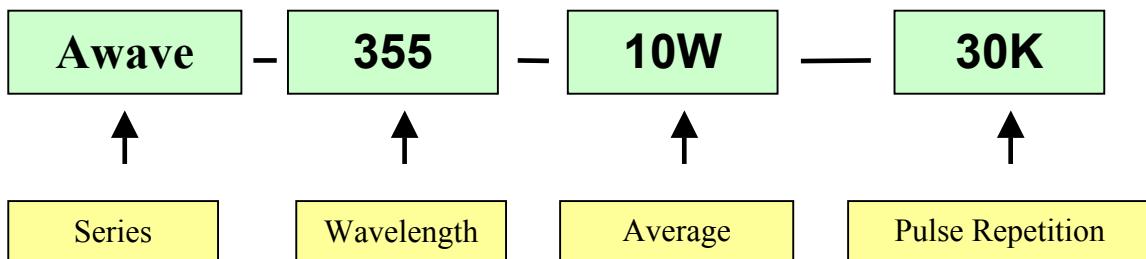
LASER COMMON SPECIFICATIONS

Pulse-Pulse Instability	Long Term Instability	Beam Roundness	Spatial Mode	Polarization Direction	Polarization Ratio
< 2 % rms	≤ 3% (12 hours)	>90%	TEM ₀₀ (M2<1.2)	Horizontal	>100:1

LASER MODEL

Optowave lasers are designed and engineered with flexible laser architectures. As a result, application scientists can specify laser requirements based on their needs. Please contact Optowave for any laser requirements exceeding standard specifications.

Example:



UTILITY AND ENVIRONMENTAL REQUIREMENTS

Operating Voltage	Line Frequency	Cooling	Ambient Temp.	Storage Temp.
90- 260 VAC	47-63 Hz	Air- cooling	15-30 °C	- 10 ~ 50 °C

DIMENSION AND WEIGHT

Laser Type		Compact	Medium	Large
Dimension (in.) (LxWxH)	Laser Head	8 x 5 x 3.45	9 x 7.5 x 3.7	13.5 x 8 x 3.7
	Laser Controller	15 x 15 x 5	19 x 17 x 7	19 x 17 x 7
Weight (lbs)	Laser Head	4.5	6	20
	Laser Controller	12	15	20
Umbilical Cable Length		About 100 inches (2.5 meters)		

Advanced Optowave Corp.

P.O. Box 530,
Bohemia, NY 11716, USA
Tel: (866)-960-6035
Fax: (631)-803-4445
Email: info@A-optowave.com
Web: www.A-optowave.com

Advanced Optowave Corporation follows a policy of continuous product improvement. Specifications are subject to change without notice.

Advanced Optowave Corporation offers a limited warranty for all our Awave Series laser systems. For full details on warranty coverage, or for further product information, please contact Advanced Optowave Corporation.