

DS-527-25

DS-527-35

High Pulse Energy Nd: YLF Green Laser

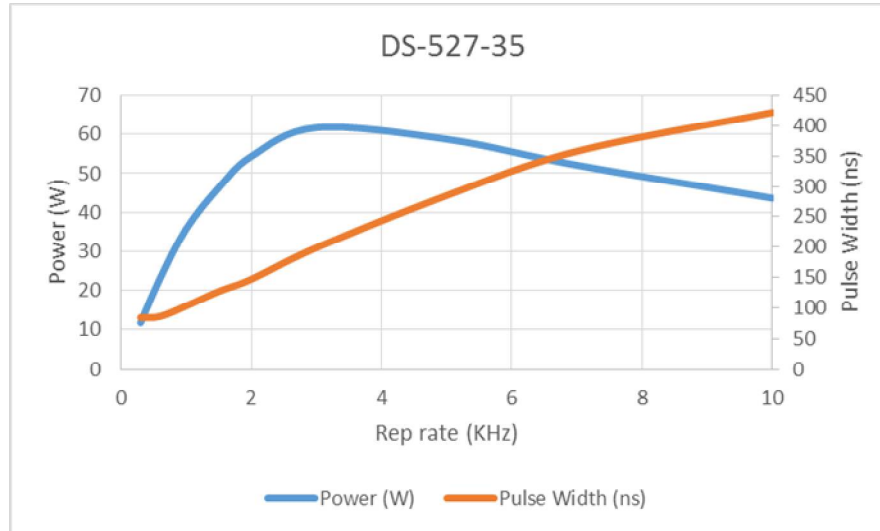


Model	DS-527-25	DS-527-35
Wavelength (nm)		527
Pulse Energy (mJ) @ 1 kHz	25	35
Average Power (W) @ 3 kHz	40	55
Pulse Width (ns) @ 1 kHz	~ 90 (nominal)	~ 100 (nominal)
Repetition Rate		Single Shot to 10 kHz
Pulse to Pulse Stability		< 2% rms
Polarization Ratio		Vertical; 100:1
Beam Diameter @ exit (nominal)		~ 1 mm
Beam Divergence (nominal)		< 2 mrad
Beam Mode*		TEM00 - $M^2 < 1.2$
Beam Pointing Stability		< 25 urad
Long Term Stability (8h +/-3deg.C)		± 2%
Interface	RS 232 / External TTL Triggering / GUI software included	
Electrical Requirement	100 to 240 V	
Line Frequency	50 to 60 Hz	
Dimensions	Laser Head	6.5 in x 4.6 in† x 26 in
(W x H x L)	Controller	19 in x 13.25 in x 5.25 in (3U)
Relative Humidity	Non-condensing, 90% Max	
Umbilical Length	3 meter (10 feet)	
Ambient Temperature	15° to 30°C Operating Range	

† Includes height of desiccant (0.35")

*measured at 1kHz. User can specify different prf optimization.

Performance Curves



United States

PI Main Headquarter Office
 1800 Ocean Ave, Ronkonkoma
 NY 11779, USA
 Website: www.photonix.com
 Tel: +1-631-218-2240
 Fax: +1-631-218-2275
 Email: info@photonix.com

Korea

PI Korea Branch Office (PIK)
 703 Sogong Bldg, 352-5 Gugal-Dong
 Giheung-gu, Yongin City
 Gyeonggi-Do, 446-569 Korea
 Tel: +82-31-284-9520
 Fax: +82-31-284-9521
 Email: kimsm@photonix.com

Japan

PI Japan Branch Office (PIKK)
 Rokusan Bldg. 9F, Funamachi 7
 Shinjuku-ku, Tokyo 160-0006, Japan
 Website: www.photonix.com
 Tel: +81-03-6423-1805
 Fax: +81-03-6423-1806
 Email: asakurazawa@photonix.com

China Suzhou

PI China Branch Office (PIC)
 No 2 Rui'en Lane, Xingpu Rd.
 Suzhou Industrial Park
 Suzhou 215021, P. R. China
 Tel: +86-512-6763 5761
 Fax: +86-512-6763 5762
 Email: joeyu@photonix.com

China Dongguan

Photonics Laser Technology Dongguan
 12 East Industrial Road
 Songshanhu High Tech Distr.
 Dongguan, Guangdong, China
 Tel: +86-18682342052
 Fax: +86-0769 22897186
 Email: joeyu@photonix.com

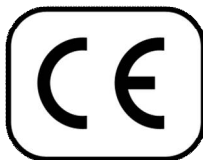
Taiwan

PI Taiwan Branch Office (PIT)
 18F-3, No.77,Sec.1,Xintai 5th Rd.
 Xizhi Dist., New Taipei City 221, Taiwan
 Website: www.photonix.com.cn
 Tel: +886-2-26983620
 Fax: +886-2-26983630
 Email: bchiang@photonix.com

Due to Photonics Industries' commitment to continuous product improvement, specifications and drawings are subject to change without notice.

Photonics Industries conforms to provisions of US 21 CFR 1040.10 & 1040.11 and is made under one or more US patents listed below: 9,531,147, 8,817,831, 7,869,471, 7,346,092, 7,082,149, 7,079,557, 6,999,483, 6,980,574, 6,961,355, 6,842,293, 6,762,405, 6,690,692, 6,587,487, 6,584,134, 6,366,596, 6,356,578, 6,327,281, 6,246,707, 6,229,829, 6,108,356, 6,061,370, 6,028,620, 5,936,983, 5,898,717 and Pending Patents

Copyright © 2017 by Photonics Industries International, Inc.



Photonics Industries
 International, Inc.