



DIODE-PUMPED SOLID STATE LASERS from infrared to ultraviolet

Research, development and manufacturing

Many years experience of custom-design projects

Over 45,000 of DPSS lasers produced for world-leading industrial companies

Pulsed Lasers

- * 263 nm
- * 351 nm
- * 355 nm
- * 527 nm
- * 532 nm
- * 1053 nm
- * 1064 nm



Pulsed DTL-series laser

for use in

- micro materials processing
- mass spectrometry (MALDI TOF)
- laser microdissection
- biotechnology
- LIDAR
- testing equipment
- high technologies R&D
- stereolithography & wafer inspection

CW Lasers

- * 527 nm
- * 532 nm
- * 1053 nm
- * 1064 nm



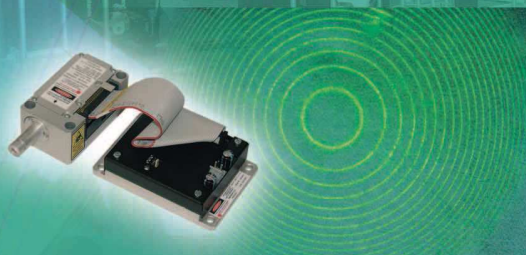
CW DTL-series laser

for use in

- optical tweezers
- test & measurement
- laser light shows & displays
- partial scattering & analysis
- medical equipment
- crystal inspection

Single-frequency laser modules/systems with high coherence length >50 m

- * 532 nm
- * 1064 nm



Single-frequency S-series laser module

for use in

- Raman spectroscopy
- laser microscopy
- holography
- laser-assisted measurements
- flow cytometry
- interference measurements

Low-cost laser modules/systems

- * 532 nm
- * 1064 nm



T-series laser modules/systems

for use in

- industry and medical alignment & positioning

**ISO 9001:2008
 certified**

Distributed in the US by

| MULTI-WAVELENGTH LASERS | | | | |
|--------------------------------|--------------------------------|---|--|--|
| Q-switched | DTL-394QT - 3-wavelength laser | >10 μJ at 263 nm (>16 mW @ 3 kHz), >100 μJ at 527 nm (> 350 mW @ 5 kHz), >100 μJ at 1053 nm (> 700 mW @ upper 50 kHz) | | |
| | DTL-399QT - 3-wavelength laser | > 60 μJ at 351 nm (> 120 mW @ 3 kHz), > 40 μJ at 527 nm (>100 mW @ 4 kHz), >100 μJ at 1053 nm (> 1000 mW @ upper 50 kHz) | | |
| | DTL-392QT - 2-wavelength laser | > 150 μJ at 527 nm (> 350 mW @ 5 kHz), > 150 μJ at 1053 nm (> 800 mW @ upper 50 kHz) | | |
| ULTRAVIOLET LASERS | | | | |
| Q-switched | DTL-389QT | 263 nm | 4 and 10 μJ at 1 kHz | Pulse width < 6 ns at 1 kHz. Range of pulse repetition rate: external - from single pulse to 30 kHz through RS-232 - 0.01 – 30 kHz internal without PC - 1 kHz |
| | DTL-379QT | 351 nm | 50 μJ and 100 μJ at 1 kHz | |
| | DTL-375QT | 355 nm | 20 μJ at 1 kHz | |
| | GARNET | | 20 μJ at 200 - 2000 Hz, external triggering. Industrial model for OEM | |
| GREEN LASERS | | | | |
| Q-switched | DTL-419QT | 527 nm | 60, 100 and 200 μJ at 1 kHz | Pulse width < 8 ns at 1 kHz. Range of pulse repetition rate: external - from single pulse to 30 kHz through RS-232 - 0.01 – 30 kHz internal without PC - 1 kHz |
| | DTL-314QT | 532 nm | 25 μJ at 1 kHz | |
| Single-Frequency CW | SLM-417 | 532 nm | 20 and 50 mW, manual power adjustment, CDRH-compliant | Single longitudinal mode Line width 0.00001 nm Low noise (<0.1%RMS) Coherence length >50 m |
| | LCM-S-111 | | 10, 20 and 50 mW, 4.5 - 6 V DC/ \leq 4 A. Laser module for OEM. | |
| | LCM-S-111-R (for Raman) | | 10 and 20 mW, 4.5 - 6 V DC/ \leq 4A. High tolerance to back reflections. Laser module for OEM. | |
| Continuous Wave | DTL-413 | 527 nm | 200, 350, 500, 1000 and 1500 mW. Noise level <1%RMS, RS-232 control | |
| | LCM-T-111 | 532 nm | 1, 10 and 20 mW, 3.3 - 3.5 V DC/ \leq 1.4 A. Laser module for OEM. | |
| | LCM-T-111-AP | | 10 and 20 mW, 5 V DC/ \leq 1.4A, power adjustment, TTL modulation. Laser module for OEM | |
| | LCS-T-11 | | 3 mW, AC Power Supply, CDRH-compliant | |
| INFRARED LASERS | | | | |
| Q-switched | DTL-429QT | 1053 nm | 200, 300 and 400 μJ at 1 kHz | Pulse width < 10 ns at 1 kHz. Range of pulse repetition rate: external - from single pulse to 30 kHz through RS-232 - 0.01 – 30 kHz internal without PC - 1 kHz |
| | DTL-324QT | 1064 nm | 100 μJ at 1 kHz | |
| Single-Frequency CW | SLM-427 | 1064 nm | 100 mW, manual power adjustment, CDRH-compliant | Single longitudinal mode Line width 0.00001 nm Low noise (<0.1%RMS) Coherence length >50 m |
| | LCM-S-112 | | 100 mW, 4.5 - 6 V DC/ \leq 4 A. Laser module for OEM. | |
| Continuous Wave | DTL-423 | 1053 nm | 300,1000, 2000 and 2500 mW. | Noise level <0.5% RMS, RS-232 control |
| | DTL-322 | 1064 nm | 300, 1000 and 2000 mW | |
| | LCM-T-112 | | 10, 100 and 200 mW, 3.3 - 3.5 V DC/ \leq 1.4 A. Laser module for OEM | |
| | LCS-T-12 | | 50 mW, AC Power Supply, CDRH-compliant | |

This product list includes only standard products which are in serial manufacturing. We are ready to consider your personal requests and invite to discuss your requirements with our technicians.

All products are covered with one year, unlimited hour warranty