



Flare 1599

High Peak Power Eye-Safe LIDAR Source

The Flare is a high peak power pulsed, flash lamp pumped, eye-safe infrared laser developed specifically as a LIDAR source.

Features

- Eye-safe infrared output
- 10 MW peak pulse output power
- 7ns pulse width
- Articulated arm for simple integration into OEM products
- Near TEM₀₀ beam quality
- Closed circuit water cooling
- External computer control over the repetition rate via the built-in RS232 port

Applications

- Eye-safe LIDAR
- Laser Dermatology
- Internal medicine (Endoscopy, etc.)



Specifications

Parameter	Flare 1599
Wavelength	1599 nm
Repetition Rate	Up to 30 Hz
Energy Output	Up to 70 mJ
Pulse-to-pulse stability	< 10 %
Pulse Duration	7 ns
Q-switch	Active
External control	Connector/pin for TTL trigger input
Electrical Service	208/220/240 VAC, 10 A
Laser head dimensions	870 x 205 x 310 mm ³
Power Supply dimensions	662 x 282 x 508 mm ³
Water Service	Closed loop water to air heat exchanger. No external water source required
Operating temperature and humidity	10-28° C; 10-90 %
Vibration, acceleration	Standard FedEx test

All Specifications Subject to Change without Notice

Content and Delivery

The delivered laser consists of the following:

- Laser Head;
- Integrated Power/Cooling Unit;
- Connecting Cables;
- Manual; and
- Test Record.

Warranty

6 months for parts and labor.

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