

Passively Q-switched DPSS laser • hermetically sealed • UV to IR • up to 1 mJ

## FLARE • PRODUCT LINE

### APPLICATIONS

- Electronics (repair, displays)
- Physics (time resolved luminescence measurements, spectroscopy)
- Biology (laser microdissection (LMD), matrix assisted laser desorption and ionization (MALDI))

### GENERAL FEATURES

- Diode-pumped solid-state laser
- Nanosecond passively Q-switched laser
- Wavelength from UV to IR
- Single pulse triggering
- True hermetic sealing for long-life operation
- Superior reliability and ruggedness
- High volume OEM applications
- Ultra compact
- Low cost of ownership

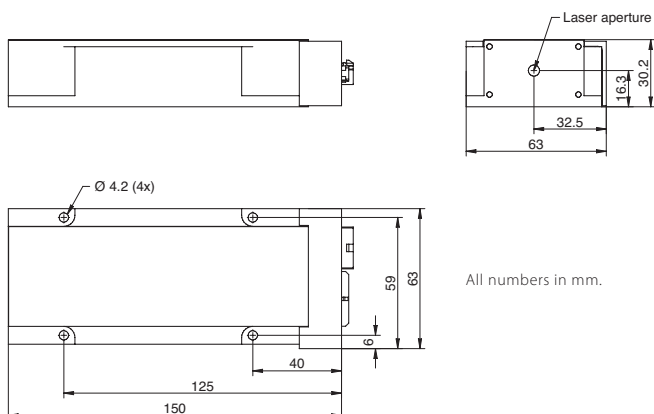


### SPECIFICATIONS

	FLARE	Unit
Wavelength	1064, 532, 355 <sup>1)</sup>	nm
Pulse energy	≤ 1	mJ
Laser control electronics	Digital <sup>2)</sup> , analog, OEM	

<sup>1)</sup> Other laser materials and wavelength on request.

<sup>2)</sup> Power supply not included, PC required.



# THE ART OF SOLID-STATE LASERS

Passively Q-switched DPSS laser · hermetically sealed · UV to IR · up to 1 mJ

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### SPECIFICATIONS

	FLARE	Unit
Operational mode	Passively Q-switched	
Pulse repetition frequency	< 2	kHz
Pulse width (FWHM)	1.3...9	ns
Spatial mode	TEM <sub>00</sub> ( $M^2 < 1.3$ )	
Beam diameter ( $1/e^2$ )	0.5...3	mm
Polarization	Linear	
Laser head size, w · h · d	63 · 30 · 150	mm
Laser head weight	0.9	kg
Base plate temperature	15...60 <sup>3)</sup>	°C
Storage condition	-10...65 <sup>3)</sup>	°C
Relative humidity	< 80	%
Cable length laser head	≤ 3	m
Maximum inrush current	< 5	A
Operating voltage	24 ± 2	V

<sup>3)</sup> Depending on model.

### OPTIONS

#### Options

Fiber coupling

Optosync (optical synchronization)

Beam expander

Cooling assembly

The InnoLight FLARE is a component intended for integration into an OEM made laser system. The OEM customer will be responsible for the system's compliance to any standards or other pertaining regulations. The device must be handled by personnel with experience of lasers in laboratory environment and with access to adequate laser safety equipment. The device contains elements sensitive to electrostatic discharge. Therefore, the device shall be handled in an ESD protected workstation. Subject to change without notice.

This product does not comply with US FDA CFR 21, section 1040.11 and 1040.11

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