

*Eye-safe and compact laser \_ ES-2.0*



## ES-2.0

Diode Pumped  
Eye-Safe Laser,  
2.0mJ, 6ns

### Features

- Eye-safe
- Diode-pumped
- High efficiency
- High Stability
- Excellent beam quality
- Passively Q-switched
- Wide operating temp. range
- Sensor included (optional)





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### Applications

- Laser Range Finding
- 3-D Laser Mapping/Imagery
- Pollution monitoring
- Vehicle collision avoidance
- Bio/Medical application
- Military application



### Technical Data

Laser type	Er,Yb:glass
Wavelength	1535nm
Laser Energy	1.8mJ (minimum)
Output Pulse width	~6ns
Raw Beam Diameter	~0.5mm
Beam Divergence	< 6mrad
Pulse Repetition rate	1Hz

### Other Information

Laser Dimensions	46mm × 30.5mm × 16.5mm
Laser Weigh	<45g
Electrical Requirements	100A, 2V, <3ms
Integrated Photodiode	Yes

### Environmental Performance

Operational Temperature	-32 to +60°C
Storage Temperature	-40 to +71°C
Applicable Standards	MIL-STD-810G