

*Eye-safe and compact laser \_ ESH-5.0*



# ESH-5.0

Diode Pumped  
Eye-Safe Laser,  
15Hz, 5.0mJ, 10ns

## Features

- Eye-safe
- Diode-pumped
- High efficiency
- High Stability
- High Repetition Rate
- 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	5mJ
Output Pulse width	~10ns
Raw Beam Diameter	0.9mm
Beam Divergence	< 5mrad
Pulse Repetition rate	15Hz

### Other Information

Laser Dimensions	95.0mm × 75.0mm × 25.0mm
Laser Weigh	< 290g
Electrical Requirements	100A, 4V, < 3ms
Integrated Photodiode	Yes
Conductive Cooling requirements	< 18W

### Environmental Performance

Operational Temperature	-30 to +50°C
Storage Temperature	-40 to +71°C
Applicable Standards	MIL-STD-810G