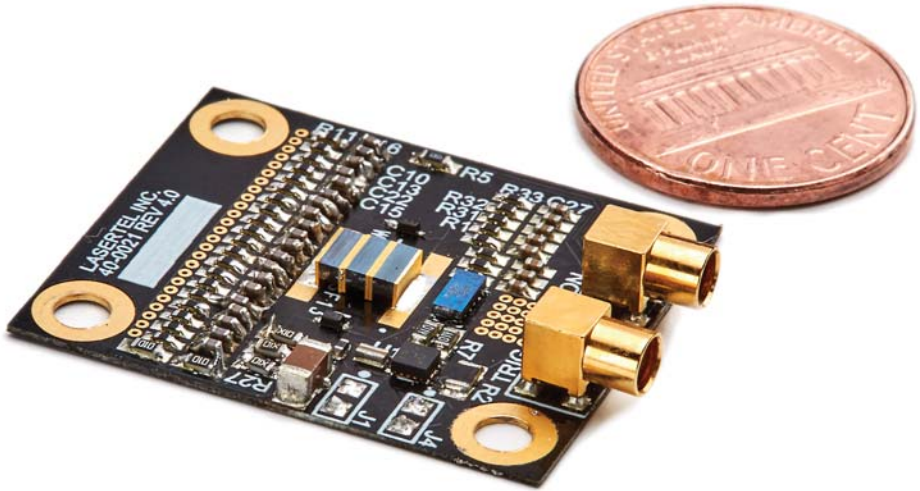


LIDAR ILLUMINATION SOURCE MODULES



Lasertel's lidar illumination source modules consist of a high-powered laser diode array (EE or VCSEL) integrated with an OEM driver board. They are designed specifically to achieve high peak-powers and narrow pulse-widths as required for lidar imaging applications.

KEY FEATURES:

- Laser diode and driver in a single compact assembly
- Narrow pulse-widths (2 to 10 ns)
- Ultra-high peak-power (up to 10kW)
- Beam-shaping optics
- Integrated heat sink and temperature control
- Eye-safe wavelengths
- VCSEL or edge-emitting laser diodes

APPLICATIONS:

- Lidar (automotive, military, aerospace, commercial)
- 3D sensing
- Gated imaging



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TYPICAL SPECIFICATIONS:

Parameter	Unit	Typical Value
Available Wavelengths	nm	760-1600
Peak Optical Output Power	kW	<10
Optical Pulse Width (FWHM)	ns	2-10
Pulse Repetition Frequency	kHz	<500
Energy Per Pulse	μ J	1-20

1.2 kW MODULE PERFORMANCE:

(shown in photograph)

