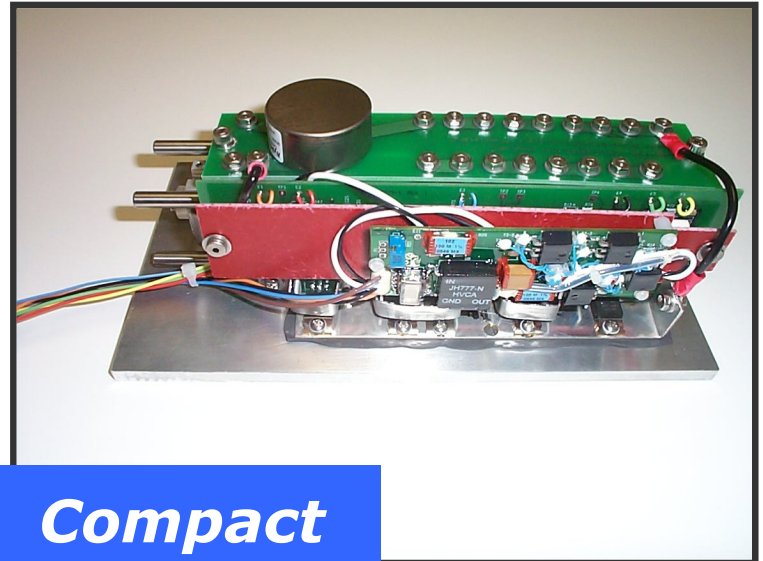
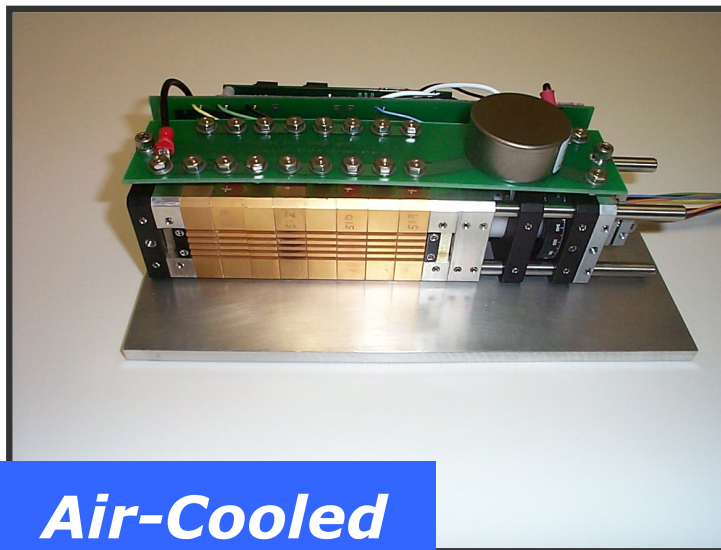


DPSS Laser Module

Ready to
integrate into
existing or
new system
architectures



Compact



Air-Cooled

Features:

- All Solid- State
- Air Cooled
- Includes Q-switching Electronics
- Wide Operating Temperature Range
- Stable Performance

Industrial Applications:
Laser Marking
Laser Scribing

DPSS Laser Module

System Specifications

Performance:

- Laser Type: Q-switched Diode Pumped Solid State
- Lasing Medium: Nd:YAG
- Pulse Energy: up to 80 millijoules (adjustable)
- Pulse to Pulse Stability: 5%
- Pulsewidth: 12 nsec +/- 2 nsec
- Pulse Frequency: up to 20 Hz
- Beam Divergence: 1.0 milliradians (without beam expander)
- Beam Diameter: 4 millimeters
- Beam Delivery: "Bolt-on" beam expanders lower the divergence by increasing the beam diameter. For example, a 5X beam expander increases the beam diameter to 20 mm and decreases the divergence to 0.2 mrad.

Physical Characteristics:

- Length: 7.5 inches (19.0 centimeters)
- Height: 2.5 inches (6.4 centimeters)
- Width: 2.75 inches (7.0 centimeters)
- Weight: 2.51 lbs (1.14 kg lbs) without heat sink

Operational Requirements:

- DC Voltage: + 15 volts, 150 mA (for control electronics)
- DC Voltage: - 60 volts, 500 mA at 20 Hz (for Laser Diodes)
- Fire Command: TTL pulse
- Heat Sinking: > 30 W capacity (at 20 Hz) with < 0.33 °C/W
- Operating Temperature: -30 °C to 40 °C (-22 °F to 104 °F)

For more information, please contact:

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