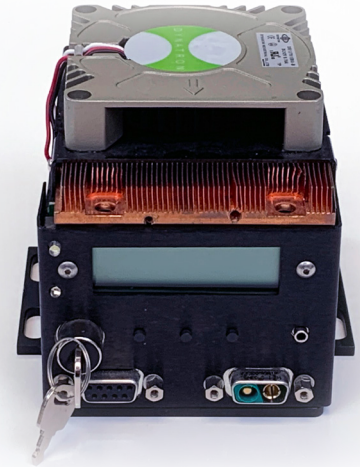


Grande

High-powered laser module



DESCRIPTION

The Grande laser provides up to 20 Watts of optical power for demanding applications that require high output powers. Controlled by an internal microprocessor, the design features an LCD display, which provides users safety status as well as real-time information on the laser's settings and internal temperature readings. Drive current and bias settings are user-controllable with 12 bits of resolution (4096 steps). The Grande features passive cooling for the circuitry and laser. Input to the module is typically 5 VDC for red and infrared lasers, while blue and green lasers require 8 VDC.

APPLICATIONS

- Light-duty Material Processing
- Localized Heating
- Display
- Machine Vision

FEATURES & BENEFITS

- Wide Range of Powers & Fan Angles
- High Intensity
- Adjustable Focus
- Rugged, Industrial-grade Design

SPECIFICATIONS

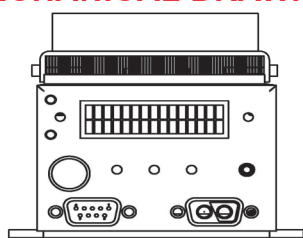
VISIBLE

	Grande3 (LD2072)	Grande0.9 (LD2071)	Grande0.9 (LD2251)	Grande0.7 (LD2068)
Wavelength (nm)	450	515	532	635
Power (W)	3.0	0.9	.9	0.65
Beam Size (mm)	0.97 x 3.13	0.78 x 3.23	1.28 x 5.26	1.20 x 4.64
Divergence (mrad)	7.8 x 2.5	8.0 x 1.9	15 x 0.5	7.1 x 2.3
Modulation Option	Available	Available	Available	Available
Supply Voltage (VDC)	8 - 12	8 - 12	8 - 12	5
Maximum Supply Current (Amps)	10	10	10	5
Operating Temp (°C)	15 - 30	15 - 30	15 - 30	15 - 30
Storage Temp (°C)	0 - 55	0 - 55	0 - 55	0 - 55
Size L x W x H (in.)	4.6 x 4.0 x 3.5	4.6 x 4.0 x 3.5	4.6 x 4.0 x 3.5	4.6 x 4.0 x 3.5
Weight (lbs.)	2	2	2	2
CDRH Classification	4	4	4	4
Warranty	1 Year	1 Year	1 Year	1 Year

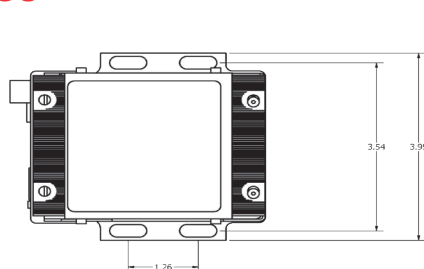
INFRARED

	Grande5 (LD2088)	Grande10 (LD2077)	Grande5 (LD2087)	Grande10 (LD2086)	Grande5 (LD2084)	Grande10 (LD2085)
Wavelength (nm)	808	808	915	915	980	980
Power (W)	5	10	5	10	5	10
Beam Size (mm)	0.66 x 2.86	0.66 x 2.87	0.66 x 2.87	0.66 x 2.87	0.66 x 2.87	0.66 x 2.87
Divergence (mrad)	58.4 x 13.9	61.6 x 8.8	58.4 x 13.9	58.4 x 13.9	58.1 x 13.7	58.1 x 13.7
Modulation Option	Available	Available	Available	Available	Available	Available
Supply Voltage (VDC)	5	5	5	5	5	5
Maximum Supply Current (Amps)	10	20	10	20	10	20
Operating Temp (°C)	15 - 30	15 - 30	15 - 30	15 - 30	15 - 30	15 - 30
Storage Temp (°C)	0 - 55	0 - 55	0 - 55	0 - 55	0 - 55	0 - 55
Size L x W x H (in.)	4.6 x 4.0 x 3.5	4.6 x 4.0 x 3.5	4.6 x 4.0 x 3.5	4.6 x 4.0 x 3.5	4.6 x 4.0 x 3.5	4.6 x 4.0 x 3.5
Weight (lbs.)	2	2	2	2	2	2
CDRH Classification	4	4	4	4	4	4
Warranty	1 Year	1 Year	1 Year	1 Year	1 Year	1 Year

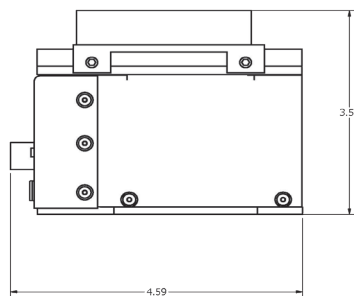
MECHANICAL DRAWINGS



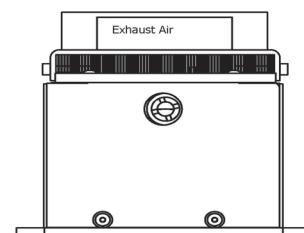
Back



Top



Side



Front

SAFETY WARNINGS



COMPLIANT & REGISTERED

