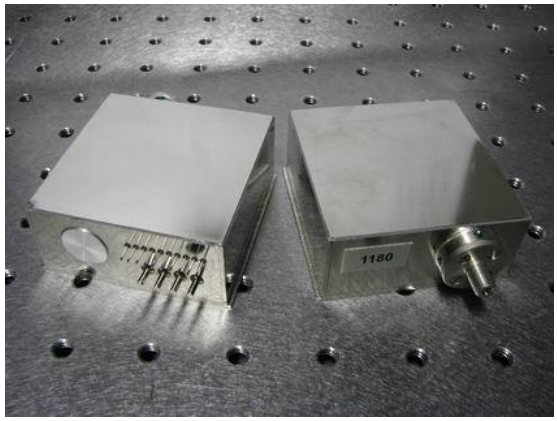
Innolume GmbH
Konrad-Adenauer-Allee 11, 44263 Dortmund/Germany
Phone: +49 231 47730 200; Web: www.innolume.com

LD-1120-MCP-20W

High Power Diode Laser – multi-chip package



Features:

- Multi-chip package of unique wavelength laser diodes
- High brightness, high efficiency
- Built-in electronic driver for laser diodes
- SMA 905 connector adapts multimode fiber patch cords with minimum core diameter of 200um and minimum NA 0.16
- Small form factor - 83 x 30 x 64 mm
- Small size Power Control unit

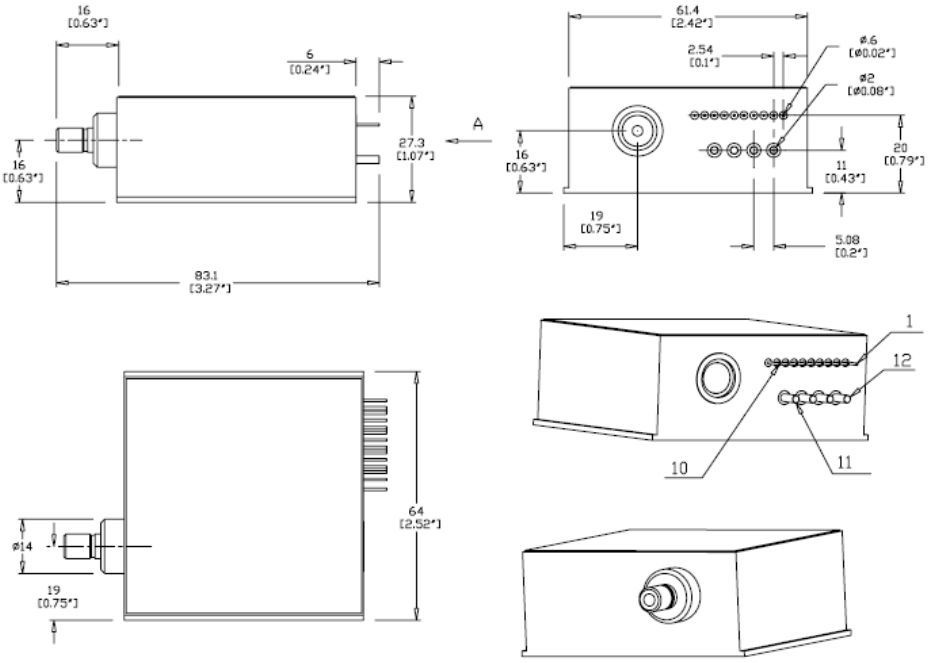
Specification for engineering samples	DATE: 25th Mar. 2009

SPECIFICATIONS

Parameters	Min.	Typ.	Max.	Unit
Optical output power (25°C case temperature)	20			W
Central wavelength (25°C case temperature)	1110	1120	1130	nm
Wavelength temperature tunability	0.35	0.4	0.45	nm/°C
Spectral width at -3dB level (25°C case temperature)		3	6	nm
DC input voltage	+11.5	+13	+14	V
DC input current		6	7	A
Case operating temperature	10	25	40	°C
Fiber patchcord core diameter		272		μm
Fiber patchcord numerical aperture		0.22		

DIMENSIONS

All sizes in mm



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SAFETY AND OPERATING INSTRUCTIONS

The laser light emitted from this Device is invisible and will harmful to the human eye. Avoid looking directly into the fiber output or into the collimated beam along its optical axis when the device is in operation. Proper laser safety eyewear must be worn during operation.

Absolute Maximum Ratings may be applied to the Device for short period of time only. Exposure to maximum ratings for extended period of time or exposure above one or more max ratings may cause damage or affect the reliability of the Device. A proper heatsink for the Device on thermal radiator is required, sufficient heat dissipation and thermal conductance to the heatsink must be ensured.

ESD PROTECTION – Electrostatic discharge is the primary cause of unexpected product failure. Take extreme precaution to prevent ESD. Use wrist straps, grounded work surfaces and rigorous antistatic techniques when handling the product.

NOTE: Innolume product specifications are subject to change without notice.