

LDM-1 Micro Module



Features

- Printed Circuit Board mountable
- Compact size only 10 x 12 x 13mm long
- Variable focus
- Focussed spot size <100µm
- Black anodised body

The LDM-1 series of laser diode modules is ideally suited to applications such as bore sighting, alignment, robot control, positioning and edge detection. They include precision optical and mechanical components enclosed in a black anodised aluminium body.

The LDM-1 series incorporates an adjustable lens which can be used to focus the beam to a very small spot size. Power is connected to the module using the positive (dotted) and negative terminal pins. The positive pin is also connected to the modules case.

Specifications:

Available Wavelengths	635, 650, 670, 780, 808, 830 & 850nm
Available Powers	1 - 50mW
Beam Size at aperture	1mm x 2.5 mm
Divergence (collimated beam)	< 1mrad
Spot size (focussed beam)	< 100µm
Operating voltage	3 - 6V DC
Operating current	30 - 100mA (Depending on laser power)

Specify part numbers as follows: **LDM-1P-650-3**

(i.e. LDM-1 series, pulsed option, wavelength = 650nm, output power = 3mw)

Options

Collimated beam for pointing	C
100kHz Pulsed option	P
Variable Focus	V

This product is registered with the FDA in accordance with 21 CFR 1040.10(a)(3)(I) and is compliant with European, and Australia/New Zealand laser safety standards 73/23/EEC - 98/37/EG, 89/336/EEC, EN 50081-1, EN-31252, EN-31252, EN 55022, EN 60825-1 and AS/NZS 2211:1997. The complete laser product manufacturer must supply adequate instructions for installation and servicing of this product. This is not a removable laser system. This product is designed solely as a component in an electronic product and therefore does not comply with the requirements of 21 CFR 1040.10 and 1040.11 for complete laser products. Avoid direct eye exposure to the beam.

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