



Laser Diode Module HAML-XXXX-YY-Z-E

| | |
|------------------------------|---|
| Wavelength @ 25°C | 405nm ... 1060nm |
| Power output @ 25°C | <100mW |
| Power stability | < 5 % |
| Light mode | CW |
| Beam divergence | >0.1mrad |
| Beam shape | non-Gaussian line, full angle 10° ... 90° |
| Focus | Adjustable |
| Boresight alignment | <1mrad |
| Operating voltage | 5±0.5V DC (12 and 24V optional) |
| Operating current max | < 200mA |
| Reverse polarity protection | + |
| ESD protection | 2 kV |
| Housing electrical potential | Positive potential |
| Operating temperature band | -10 to +50°C |
| Dimensions | Laser head Ø20mm x length 45mm Adapter Ø20mm x length 45mm |
| Electrical connection | Power supply – PCS Analog generator - BNC |
| Cables | LH – Adapter – 80mm Adapter – power supply – 300mm Adapter – Analog generator – 300mm |
| Optics | HQ optical glass, AR-coated both sides |
| Housing | Black anodized aluminum |

- Wavelength – XXXX
- Power output – YY
- Option – Z; A: long depth-of-field; B: smallest line thickness

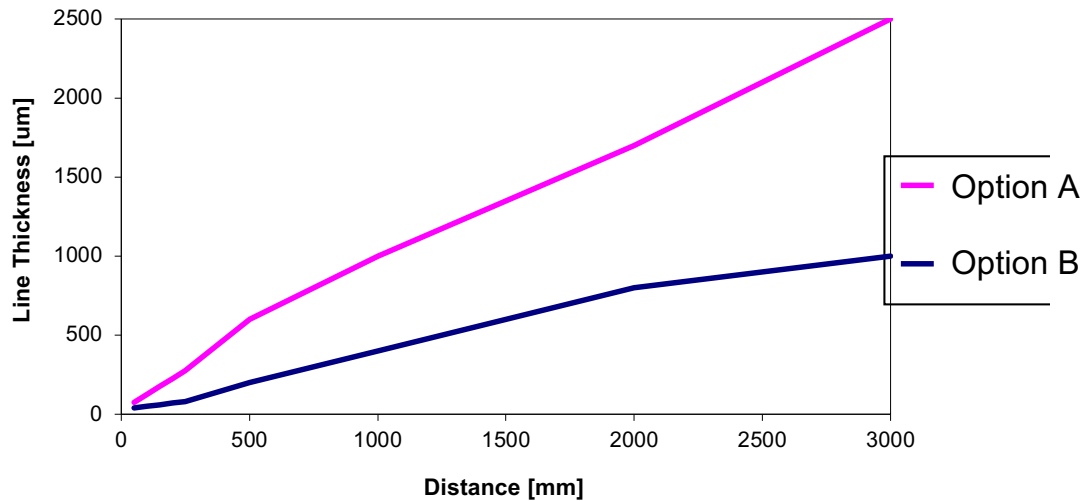


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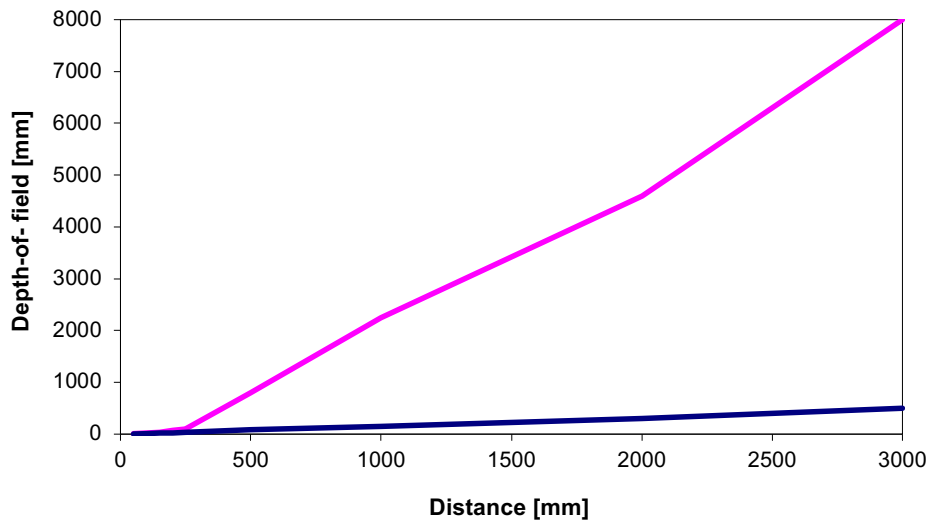
- Option – E for driver in separate housing
- Potentiometer for power adjustment
- TTL modulation to 100 kHz is an option.

Typical Performance Data

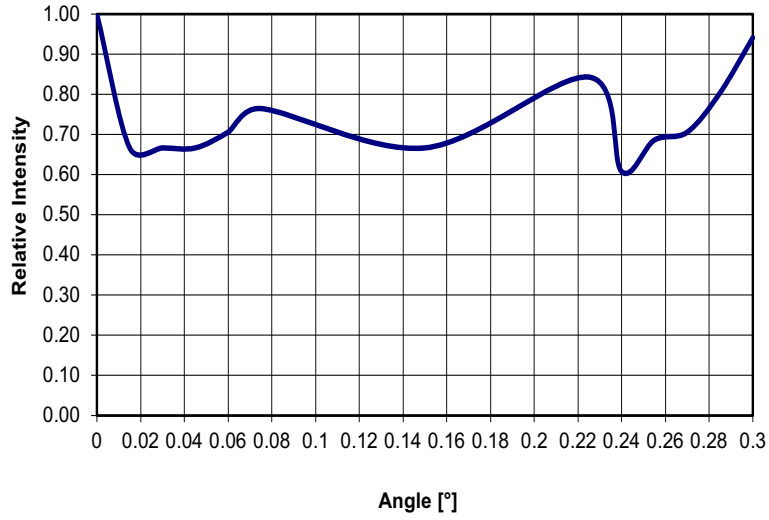
Line Thickness



Depth-of-field



Power Distribution non-Gaussian Line
(Typical Profile)



Housing Drawing

Dimensions in mm
Tolerances +/- 0.2mm

