Need a Reliable Laser?

BEA Electro Sales’ Sensor Housing Laser Diode Modules stand up to the most demanding sensor conditions.

Ready for virtually unlimited industrial OEM applications, this unit is built to be reliable in the toughest jobs.

Model Number: SEN-301 or 3 or 5NM-650

Available Targets

Applications:
- Fastener Positioning
- Measuring Surface Flatness
- Semiconductor Mfg
- Paper Machines
- Textiles
- Drill Alignment
- Bore Alignment
- Printing Presses
- Electronic Component Mfg.

With a 1/8” NPT threaded heat sink case, the unit may be mounted and used in industrial OEM equipment applications.

Built to withstand:
- Liquids (water resistant)
- Vibration
- Chemicals
- Impact
- Dust

Included:
The complete package includes the laser module, a connector cable assembly (90° or 180°). Various targets available.

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Red
Sensor Housing
Laser Diode Module

THIS IS ONE COOL LASER

THERMAL HEAT SINK – Lasers usually fail because they get too hot when they operate in high ambient environments. The BEA SEN-303-650 has generous heat sinking built in to solve this problem.

THERMAL HEAT SINK

Optical
- Output Power (mW): 1, 3 or 5
- Wavelength (nm): 650 (Red Laser)
- Class: II / IIIa
- Lens: Plastic
- Focus: Fixed
- Operation Mode: Continuous Wave
- Spectral Line width (nm): <0.1
- Beam Diameter, 1/e² (mm): <1
- Beam Divergence (mrad): 0.8
- Output Power Stability for 1 hour: ±5% (typical 1%)

Electrical/Mechanical
- Operating Voltage (VDC): 5 VDC
- Operating Current (mA): < 30
- Circuit Design: Auto Power Control
- Lead Length: 1 Meter
- Housing Material: Black Zinc Coated Brass
- Length: 2.5 Inches
- Body Diameter: 1/8" NPT / 10mm / .385"
- MTTF (hr)*: > 10,000 Hours

Optional Power Supply
- Rated Input Voltage: 83 Vac - 230 Vac
- Output: 5 V
- Current Range: 0 - 3 A
- Humidity: 20%-90% RH
- MAX. Required Free Space: 25mm on all sides
- UL/cUL: UL/60950-1 / TUV60950-1AP

Optional Power Supply Available

WARNING: Laser Beams and Hazards
Lasers produce an intense, highly directional beam of light. If directed, reflected or focused upon an object, laser light will be partially absorbed, raising the temperature of the surface and/or the interior of the object, potentially causing an alteration or deformation of the material. Lasers can also cause tissue damage. However, lower-power lasers may emit levels of laser light that are not a hazard.