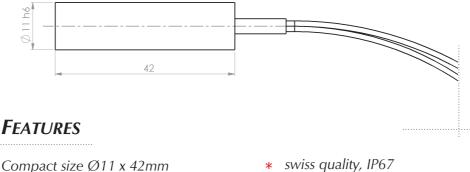
IDT 0 Basis Module





- Compact size Ø11 x 42mm
- Focussed spot size <100µm
- Variable focus

- * Polarity reversal protection
- * Black anodised alu-body

The IDT 0 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 IDT0 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 (red) and negative (black) cables. The Positive pin is also connected to the modules case.

Specifications:

Available Wavelengths 635, 650, 670, 780, 808, 830, 850 nm

Available Powers 1 - 100 mW Beam Size at aperture 1 x 2.5mm Divergence (collimated beam) <1mrad Spot size (focussed beam) <100µm

Ray Stability 0.01 mrad / °C Operating voltage 4-6VDC

30 - 120mA (Depending on laser power) Operating current

-10°C to +40 °C Operating temp. -40°C to +80°C Storage temp. **MTTF** > 35'000 hours

Options:

Standard Collimation on 20m Variable Focus

IDT063505/S Specify part numbers as follows:

IDT 0 series, wavelength 635nm, output power <5mW Standard collimation

Accessories

Holders

Power supplies





