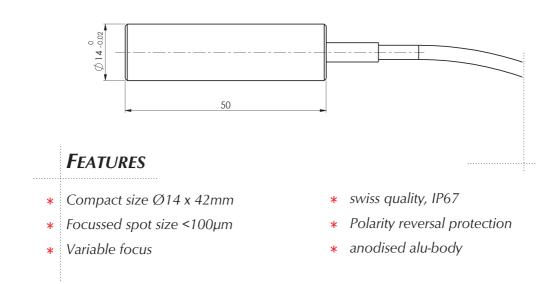
## **IDT 1 Basis Module**





The IDT 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 IDT 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 (white) and negative (brown) cables. The Positive pin is also connected to the modules case.

## Specifications:

Available Wavelengths Available Powers Beam Size at aperture Divergence (collimated beam) Spot size (focussed beam) Ray Stability Operating voltage Operating current Operating temp. Storage temp. MTTF	635, 650, 670, 780, 808, 830, 850 nm 1 - 100 mW 1 x 2.5mm <1mrad <100µm 0.01 mrad / °C 4 - 6V DC 30 - 120mA (Depending on laser power) -10°C to +40 °C -40°C to +80°C > 35'000 hours
Options:	
Standard Collimation on 20m Variable Focus	S V
variable focus	
Specify part numbers as follows:	IDT163505/S
IDT 1 series, wavelength 635nm, output pov Standard collimation	ver <5mW
Accessories	
Holders Line and Cross Hair Generators Power supplies	
the perfect art	of swiss technology
ID&TGmbH Gewerbestrasse 12a 8132 Egg(Zuerich) Switzerland Fax+41(0)449949234 idt@id-t.ch	