



The IDT 0 is a mini laser diode module which is ideal for many applications, including bore sighting, alignment, robot control, positioning and edge detection.

It includes state-of-the-art optical and mechanical components enclosed in a red anodised aluminium housing. It is reverse-protected, transient-protected and highly resistant to vibrations.

The IDT 0 series also incorporates an adjustable lens which can be used to focus the beam to a very small spot size (less than 1 mm).

Version 1 : lenght 41 mm
Version 2 : lenght 60 mm

Mechanical Specifications		
Size	Length	41 or 60 mm
	Diameter	11 mm
Protection	IP67	
Housing	Red anodized aluminium	
Weight	8 g	
Environmental Specifications		
Storage temperature	-40 to +85 °C	
Operating temperature	-15 to +40 °C	
MTTF	20.000 h/25°C*1	
Optical Specifications		
Available Wavelengths	404, 450, 635, 639, 642, 650, 660, 670, 830, 915, nm	
Available power outputs	0.9 -15 mW*1	
Beam size at aperture	0.8 - 0.5 mm	
Beam divergence	< 2 mRad	
Ray stability	0.01 mRad/°C	
Adjustable focus	Yes	
Electrical Specifications		
Supply voltage	5 Vdc or 7-31 Vdc	
Operating current	max from 28 to 140 mA*1	
Reverse polarity protection	Yes	
Connections	Red = + Black = -	

Accessories



1. Black anodised aluminium mounting bracket with fixing holes for machine installation.



2. Transformer (input 220-240 VAC; output 5 VDC; 200 mA; stabilized)

*Upon request, the lasers and their accessories can be customised to suit individual needs.

*1 Depends on laser diode. More or less power on request.

*2 Contact us for more information

