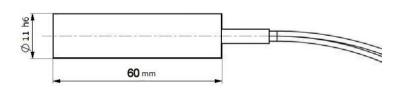
ITALIA INDUSTRIAL DESIGN AND LASERTECHNOLOGY

IDT 0





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

Accessories



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



individual needs.

2. Transformer (input 220-240 VAC;

output 5 VDC; 200 mA; stabilized)

Mechanical Specifications						
Size	Length	41 or 60 mm				
3120	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 cur- rent	max from 28 to 140 mA* ¹					
Reverse polarity protection	Yes					
o "						



Red = + Black = -

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

*² Contact us for more information

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



Connections