



The IDT 1 is a small laser diode module (60 mm length and 14 mm diameter) which can project sharp dot, line or cross beams, making it the ideal solution for many applications throughout the industrial and scientific sectors. It is reverse-protected, transient-protected and highly resistant to vibrations and waterproof. IDT 1 can be also equipped with all special optics



Mechanical Specifications		
Size	Length	60 mm
	Diameter	14 mm
Protection	IP67	
Housing	anodized aluminum	
Environmental Specifications		
Storage temperature	-40 to +85 °C	
Operating temperature	-15 to +50 °C	
MTTF	30'000 - 150'000 h/25°C	
Optical Specifications		
Available wavelengths	520, 635, 650, 670, 780, 808, 830 nm	
Available power outputs	0.9—15 mW	
Beam size at aperture	1 - 2.4 mm	
Beam divergence	< 3 mRad	
Ray stability	0.01 mRad/°C	
Electrical Specifications		
Supply voltage	5—24 Vcc	
Operating current	I max from 24 to 200mA	
Reverse polarity protection	Yes	
Connections	White = + Brown = -	

Accessories



1. Black anodized aluminum 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 customized to suit individual needs.

