

IDT-3F is a laser module ideal for many applications including the placement of fabrics and finished garments in ironing. It is mostly used in the textile industry. With the hose, you can move the laser manually in the preferred position. It is practicality appreciated especially in fields where the operators must be able to quickly change the point of reference in order to adequately perform their jobs. This module includes optical and mechanical components embedded in an aluminum anodized red. It is protected against reverse polarity overload and is completely waterproof, not afraid of water vapor, gas and moisture. The series IDT-3F also incorporates a system for lens adjusting that allows a very precise focusing point (less than 1/8 mm²).

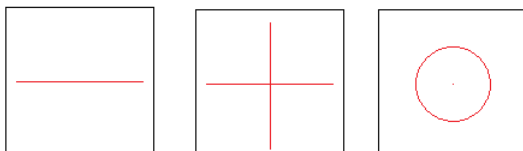
Mechanical specifications		
Dimensions	Lenght	74 mm
	Diameter	20 mm
Protection	IP67	
Housing	Red anodized aluminum	
Peso	271g	
Environmental Specifications		
Storage temperature	-40 a +85 °C	
Operating temperature	-15 to +50 °C	
MTTF	20'000 - 150'000 h/25°C	
Optical specifications		
Available wavelenght	405, 520, 520, 635, 639, 642, 650, 660, 670, nm	
Available power	0.9 -200 mW	
Larghezza del fascio di luce	0.8 - 0.5 mm	
Beam divergence	< 2 mRad	
Ray stability	0.01 mRad/°C	
Focus adjusting	Yes (with special tool)	
Electrical specifications		
Supply voltage	4-6 Vdc / 12-24 Vdc / 5-36 vcc	
Operating current	From I to max 28/140 mA	
Reverse polarity protection	yes	
Connections	White = + Brown = -	

Accessories



1. External power supply (input 220-240 VAC; output 5 VDC; 200 mA)

The laser can be fitted with different types of lenses. Hereunder are some examples : you can find the complete list of available optics on our website.



Lasers and related accessories can be customized to fit individual needs.

