

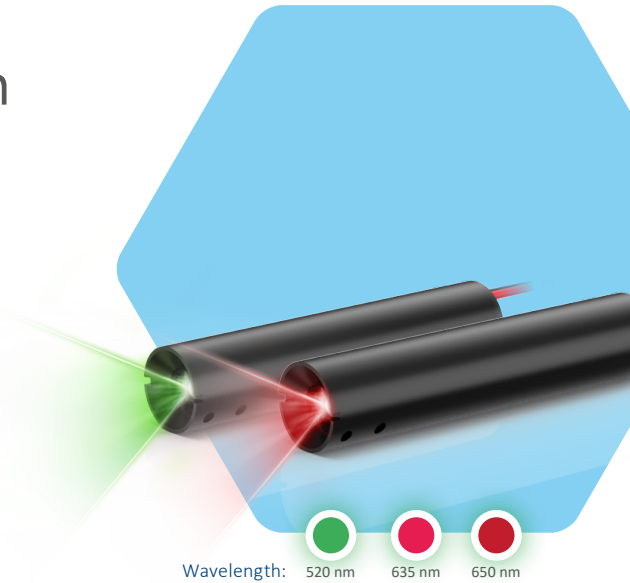
ZD

Universal mini laser module with excellent visibility

The ZD laser module can optionally project a line, point, or cross projection. It is often used as a positioning laser in the wood, stone, textile, tire and metal industries.

With a diameter of only $\varnothing 11$ mm, it can be used universally. The ZD stands out with its excellent visibility even at a low output power. In addition, a supply voltage of 5-24 VDC opens the door to various interesting applications.

Output power up to 15mW in combination with 635nm red and up to 10mW with 520nm green laser diodes.



Easy Installation



Output power of up to 15 mW



IP 40

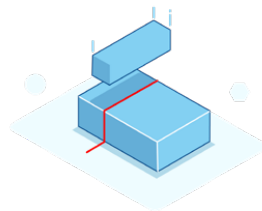
Highlights

- Universal mini laser module with line, dot or cross projection
- 3-6 VDC, 24 VDC or 5-24 VDC supply voltage with polarity protection
- Optical output power up to 15mW
- Electrically isolated housing

Sample applications



Embroidery



High-Precision Positioning Tasks



Leather cutting

Order Code

Z??	D	?	?
Output power	Product family	Wavelength	Optic

System specifications

Wavelength	nm
Output power	mW
Laser operation mode	

520	635	650
1-10	1-15	1-5
APC with current limiting		

Electrical specifications

Operating voltage	VDC
Protection	
Electrical isolation	
Connection	

5-24	3-6 or 24	3-6
Reverse polarity and transient protection (ESD, burst & surge)		
Potential-free housing		
2m cable with Texas connector Optional: 2m cable with open leads		

Optical specifications

Line	
Dot	
DOE	
Focusable	

Line gaussian 90° (optionally homogenous 30°)
Elliptical
Cross, multi line, grid, etc.
No

Environmental conditions

Operating temperature	°C
Storage temperature	°C
Humidity	%

-10 up to +40
-20 up to +70
<90 %, non-condensing

Mechanical specifications

Weight	g
Length	mm
Diameter head \varnothing	mm
Material	
Protection class	

35		
43 - 51	41 - 51	41 - 51
11		
Messing, black chrome		
IP40 IP30 for dot laser		