

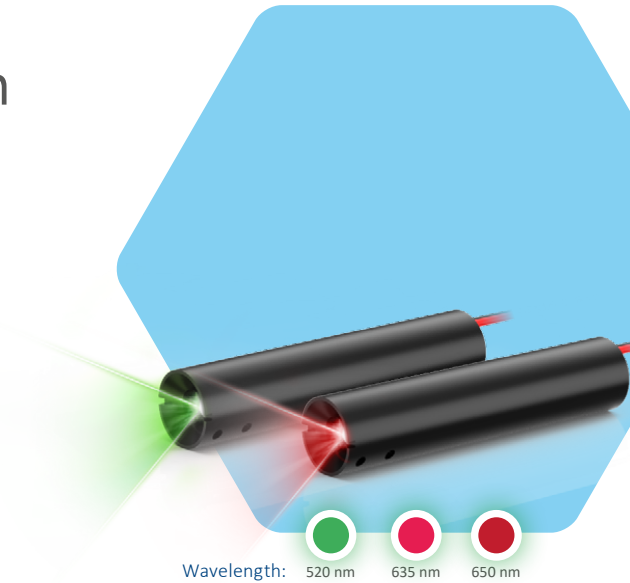
ZD

Universal mini laser module with excellent visibility

The ZD laser module can optionally display 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 Ø11 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.

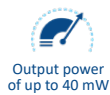
Output power up to 15mW in combination with 635nm red and up to 40mW with 520nm green laser diodes.



Wavelength: 520 nm 635 nm 650 nm



Easy Installation



Output power of up to 40 mW



IP 40

Our accessories recommendation

Heat dissipating universal bracket H2-11-M

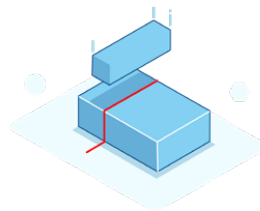


Highlights

- Universal mini laser module with line, dot or cross projection
- 3-6 VDC, 24 VDC or 5-24 VDC supply voltage with polarity protection
- Heat dissipating universal mount H2-11-M
- Optical output power up to 40mW
- Electrically isolated housing



Embroidery applications



High-Precision Positioning Tasks



Leather cutting applications

Order Code

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

System specifications

Wavelength	nm	520	635	650
Output power	mW	1-40	1-15	1-5
Laser operation mode		APC with current limiting		

Electrical specifications

Operating voltage		5-25 VDC	3-6 VDC or 24 VDC	3-6 VDC
Protection		Reverse polarity and transient protection (ESD, burst & surge)		
Electrical isolation		Potential-free housing		
Connection		2m cable with Texas connector Alternatively: 2m cable with open leads		

Optical specifications

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

Environmental conditions

Operating temperature	°C	-10 °C up to +40 °C
Storage temperature	°C	-20 °C up to +70 °C
Humidity	%	<90 %, non-condensing

Mechanical specifications

Weight	g	35
Length	mm	51
Diameter head Ø	mm	11
Material		Messing, black chrome
Protection class		IP40 IP30 for dot laser