

ZD DATASHEET

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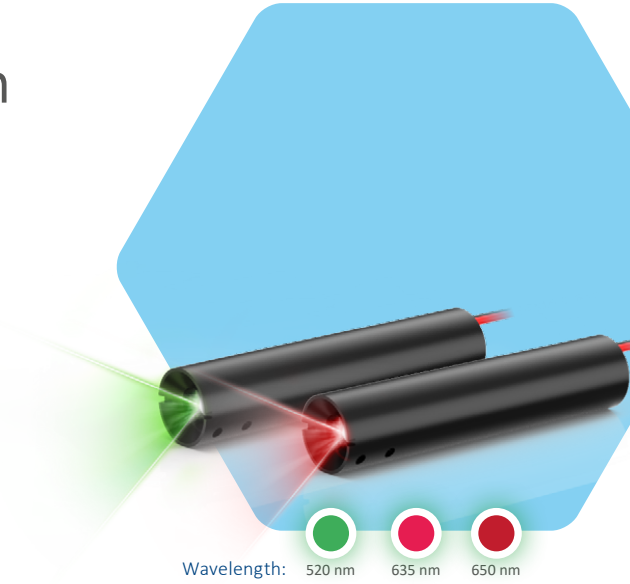
ZD

Universal mini laser module with excellent visibility

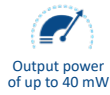
The ZD laser module can optionally display a line, point, or cross projection. It is often used as a positioning laser in the wood, stone, textile, tire and metal industries. With a diameter of only Ø11 mm, it can be used universally.

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.



Easy Installation



Output power of up to 40 mW



IP 40

Our accessories recommendation

Heat dissipating universal bracket H2-11-M

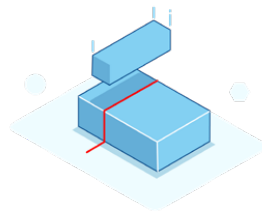


Highlights

- 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