

ZT DATASHEET

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ZT

Laser module for the textile industry

This small laser module is ideal for the textile industry, and is therefore mainly used for positioning applications in the textile sector.

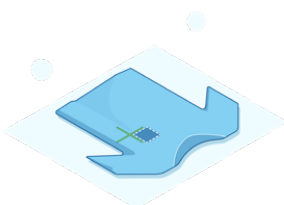
The ZT laser's interchangeable optics make it very flexible. In addition, the adjustable light intensity always guarantees best visibility on various colored fabrics. Due to its small size (14 mm diameter), the ZT laser is also suitable for integration into existing systems. Furthermore, we offer optical output power of 1 mW up to 5 mW. This allows us to fulfill the 1M and 2M eye-safe laser classes.



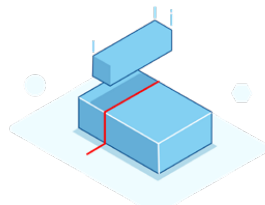
- Easy installation
- Output power up to 5 mW
- IP 40

Highlights

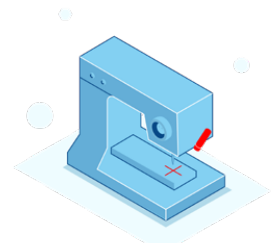
- Laser with interchangeable optics
- Optical output power up to 5mW, red
- Dimensions: Ø 14 x 69mm
- Dot, line, line-dot, small cross, large cross
- Adjustable brightness



Embroidery Applications



High-Precision Positioning Tasks



Sewing Machine

Order Code

Z??	-	T	-	6??	-	?
Output Power		Product family		Wavelength		Optic

System specifications

Wavelength	nm	635, 645
Output power	mW	1 - 5
Laser operation mode		APC with current limiting, adjustable intensity control

Electrical specifications

Operating voltage		3,5 to 5,5 VDC
Protection		Reverse polarity protection
Electrical isolation		Potential-free housing
Connection		2m cable with Texas connector Optionally: Cable up to 2m with open leads

Optical specifications

Line		Line gaussian 90°, line gaussian 90° with dot
Dot		elliptical
DOE		Cross, 5°, 30°, 60°
Focusable		No

Environmental conditions

Operating temperature	°C	-10 °C bis +40 °C
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Mechanical specifications

Length	mm	69
Diameter head Ø	mm	14
Material		Messing, black chrome
Protection class		IP40