

**Product Name:** T Laser

**Product description:** Linear Focusable Diode Laser in a 14 mm Housing with Driver integrated

**Datasheet date:** 09.06.2025



**SPECIFICATIONS/ESPECIFICACIONES**

**OPTICAL**

Wavelength (@20°C)  
 Output Power after  
 Lense  
 Bore sight

375nm-1300nm  
 <1mW to 500mW  
 < 10 mrd (focused blocked in collimation  
 Position)

Laser Product Class  
 Clear Aperture  
 Max. divergence  
 when collimated  
 Focusing Range

1 Laser Class 1-4  
 Up to 6mm  
 < 1 mrd (full angle at 1/e2)  
 60mm +/- 20mm to infinite

**ELECTRICAL**

Operating Voltage  
 Operating Current  
 Operation Modes  
 Power Stability  
 Reverse Voltage  
 Protection

4 to 6Vdc. (12V or 24V with ext.regulation)  
 Depend Laserdiode (Power and Wavel.)  
 CW and modulated up to 10 KHz  
 < 0,5% Variation under constant Temp.  
 Buil in

**ENVIRONMENTAL**

Operation Temp.  
 Storage Temp.  
 Warm up  
 MTTF

0 to 50°C  
 -20 °C to 60 °C  
 < sec  
 >5.000 hrs.

**MECHANICAL**

Cable Length  
 Dimensions  
 Housing Material  
 Traceability

1 m  
 Diameter 14 (+0/-0,1)x80mm  
 Natural Anodized Aluminium  
 Serial number