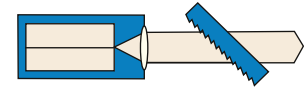
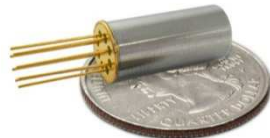


Micron Laser: S1-0780-100



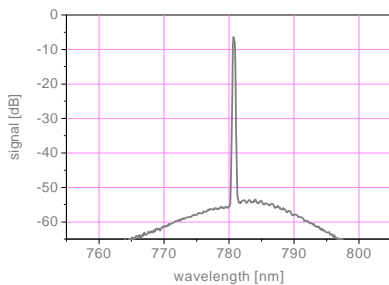
The S1-0780-100 is a tunable external cavity diode laser. It is designed for applications which require high output power as well as low linewidth like optical cooling and trapping, Bose-Einstein condensation or Raman spectroscopy.

Product Data:



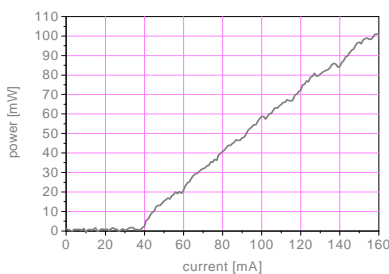
Miniaturized Size

External Caivity Diode Laser
Peltier Cooler & Thermistor
Sealed Package



Pre-set wavelength

Wavelength: 780.24nm
SMSR: > 45dB



PI Curve

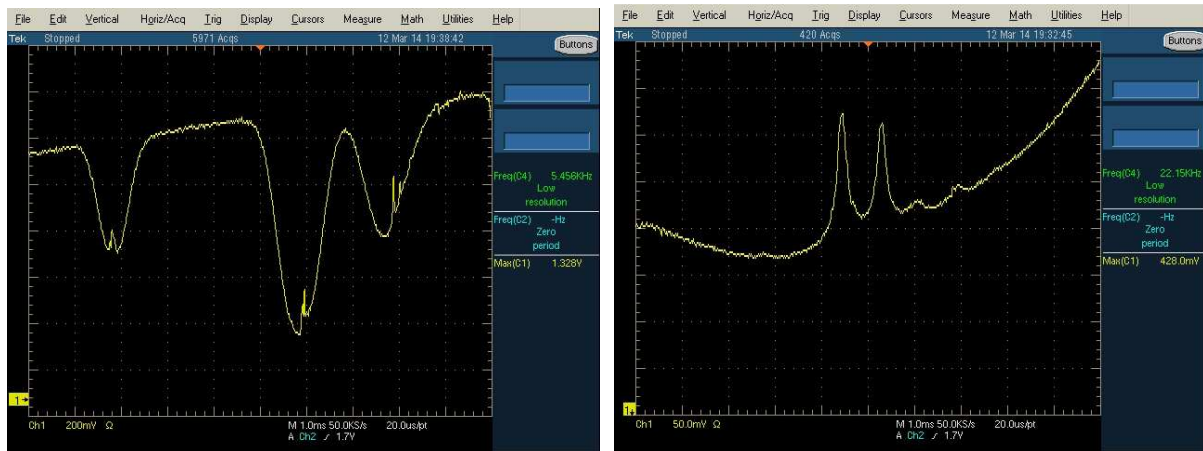
Power: > 100mW
Linewidth: < 100kHz

Specifications:	
output power	> 100mW
beam profile	round, typ. ratio: 1:1.2
mode profile (M ²)	< 1.1
beam divergence	< 2mrad
polarization	linearly, > 1:20
linewidth (1ms)	< 100kHz
side mode suppression	> 40dB
mode-hop free fine tuning	> 6GHz
coarse tuning	> 0.2nm
thermal stability	< 100MHz / °C
mechanic resonances	none (no moving parts)

Document: <http://docs.sacher-laser.com/mc0780100.pdf>
Note: Specification are subject to change without further notice



Application Example:



Rubidium Absorption

Document: <http://docs.sacher-laser.com/mc0780100.pdf>
 Note: Specification are subject to change without further notice

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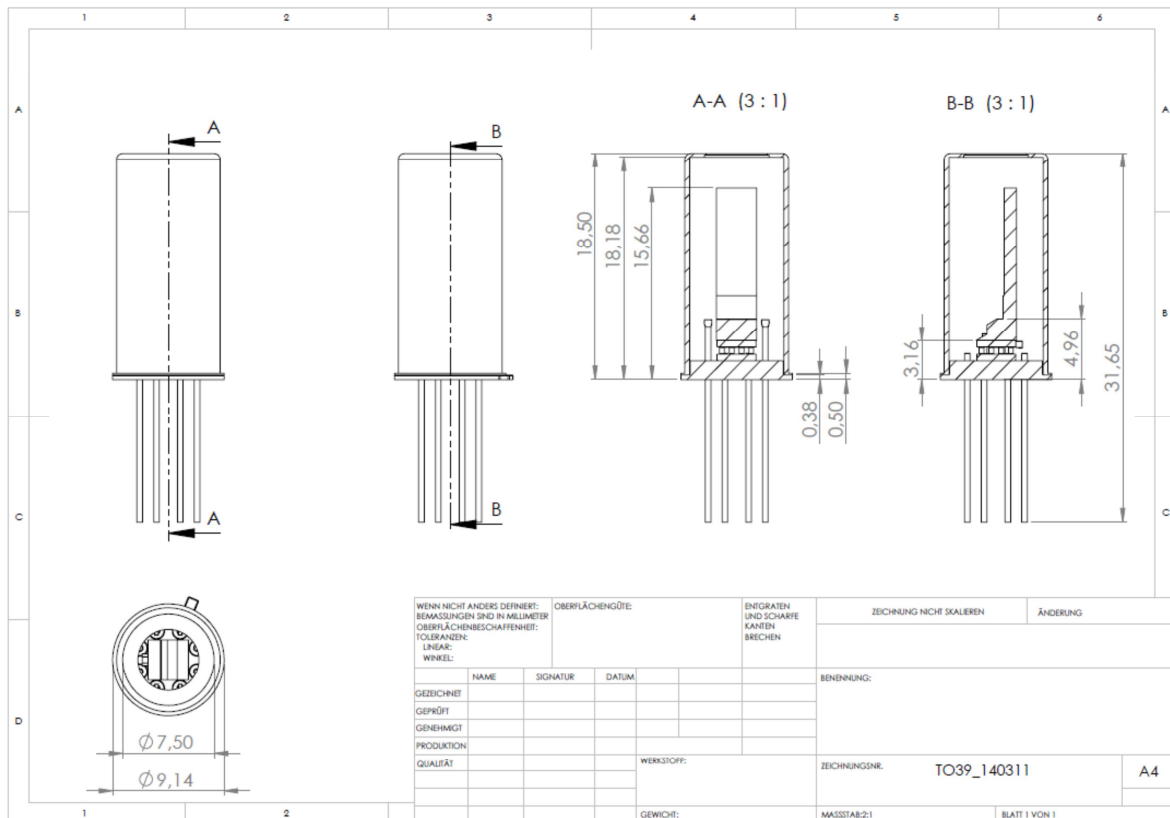
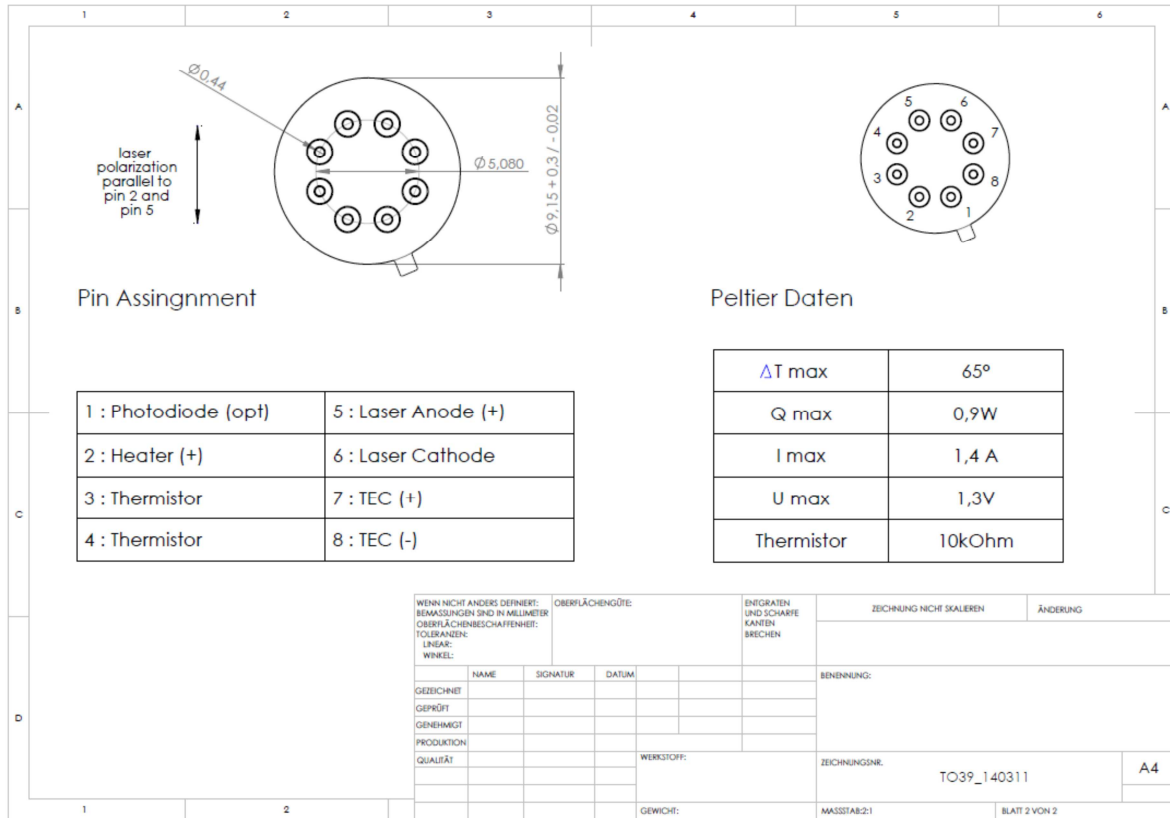
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Dimensions:



Document: <http://docs.sacher-laser.com/mc0780100.pdf>
 Note: Specification are subject to change without further notice

