

**Datasheet for TO66-L-1**

Recommendations:

Please read the User Manual and have a look at the FAQ at <http://www.alpeslasers.ch/?a=142>

**WARNING:** Operating the laser with higher current or voltage than specified in this document may cause damage and will result in loss of warranty, unless Alpes Lasers has permitted to do so!

**WARNING:** Beware on the polarity of the laser. This laser has to be powered with negative bias on the pin 8 and positive bias on the pin 7. To use with an ILX Lightwave LDX-3232 laser driver, or equivalent.

MODULE PIN-OUT	Pin n°
TEC +	1
Thermistor	2
Thermistor	3
Not connected	4
Not connected	5
Not connected	6
Positive contact of the laser	7
Negative contact of the laser	8
TEC -	9

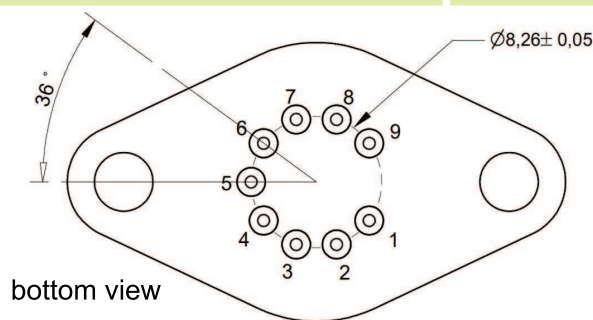


Figure 1: Mechanical and electrical interface for TO66-L-1 (specs of the TO66 module)

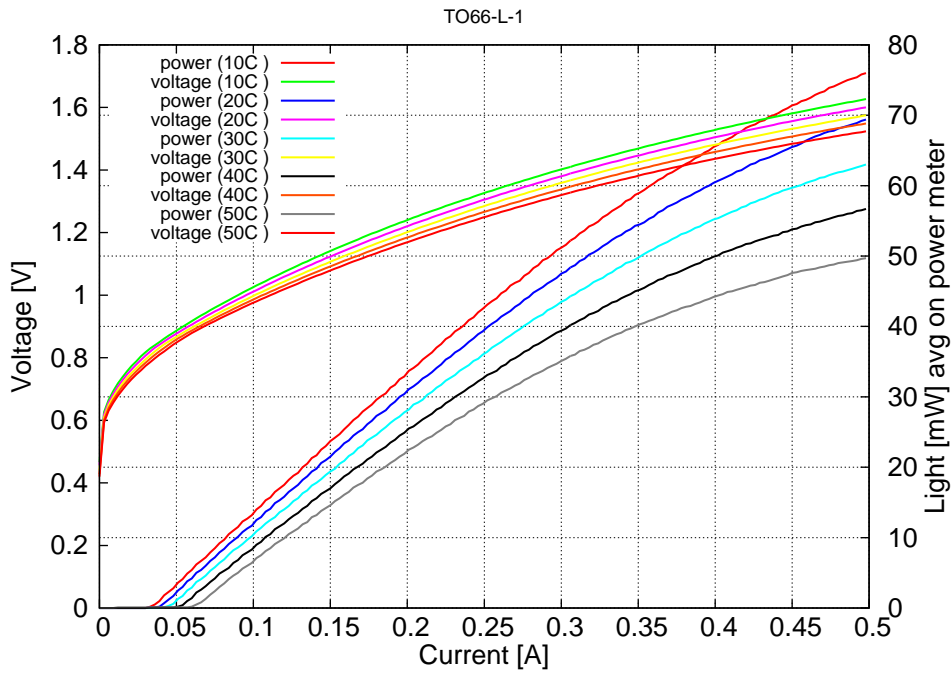


Figure 2: voltage and avg power vs current in continuous-wave operation

Note: at 10C:  $I_{th}=0.033A$  /  $V_{th}=0.83V$  (2-wires measurements). Maximum operation current: 0.500A for all temperatures.

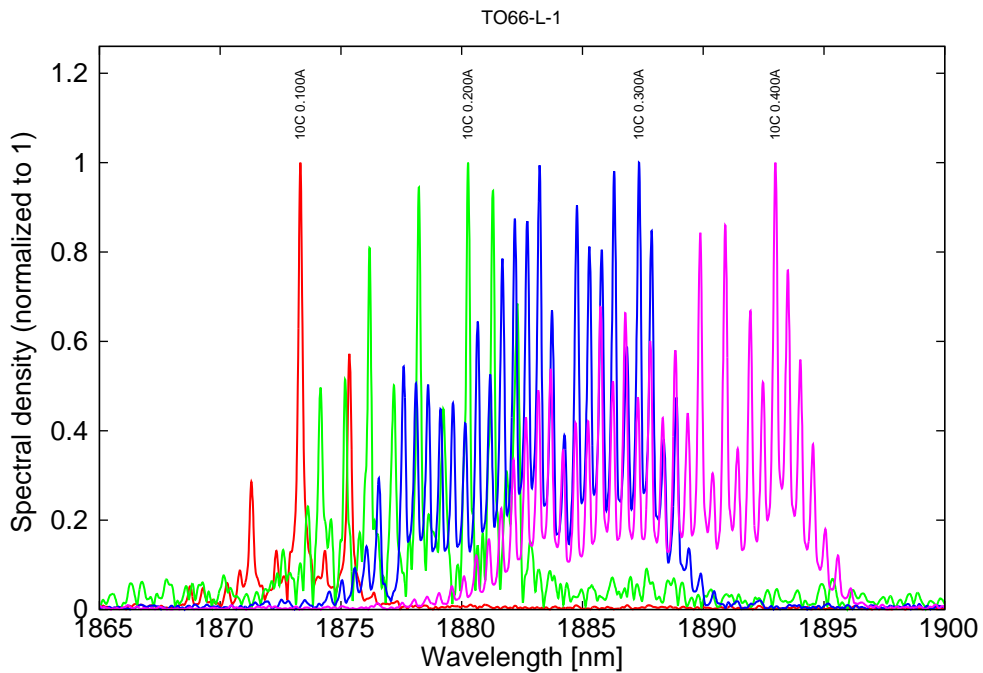


Figure 3: Spectra at 10C for various DC currents.

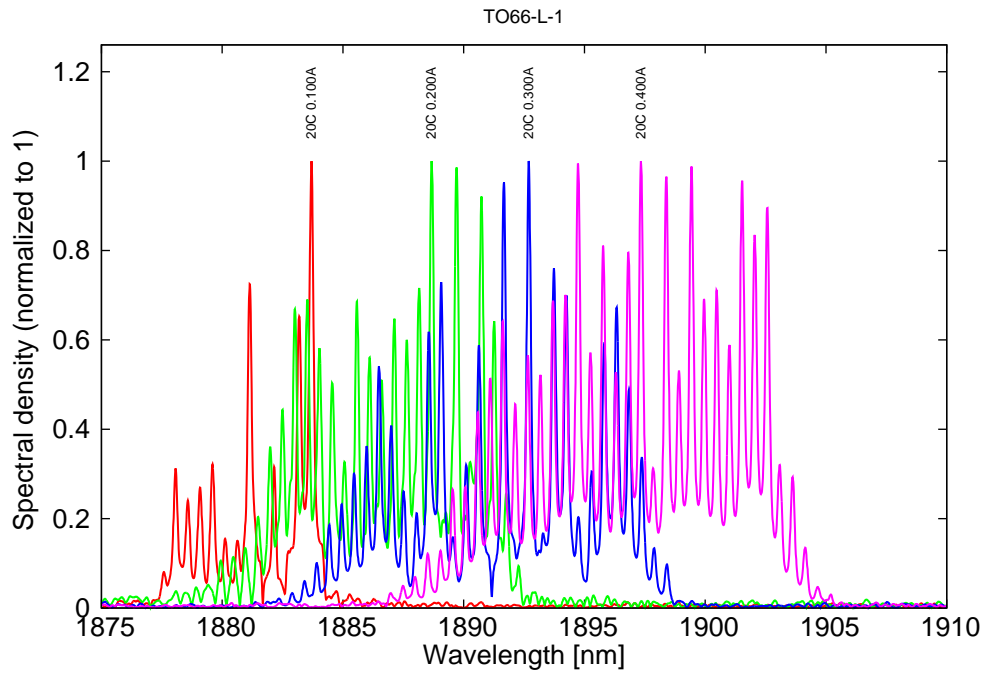


Figure 4: Spectra at 20C for various DC currents.

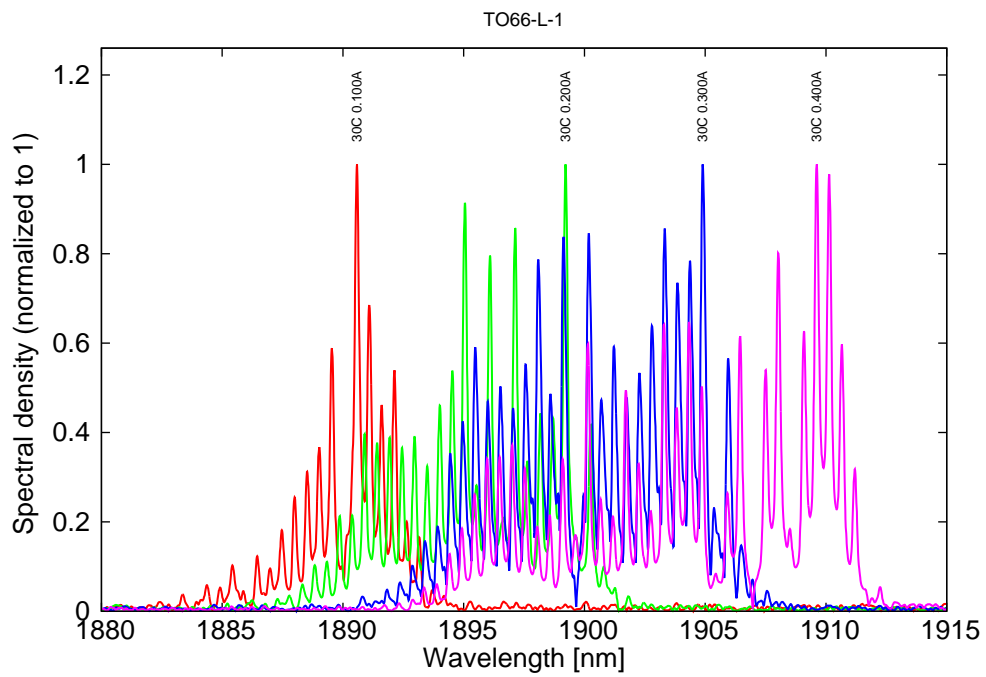


Figure 5: Spectra at 30C for various DC currents.

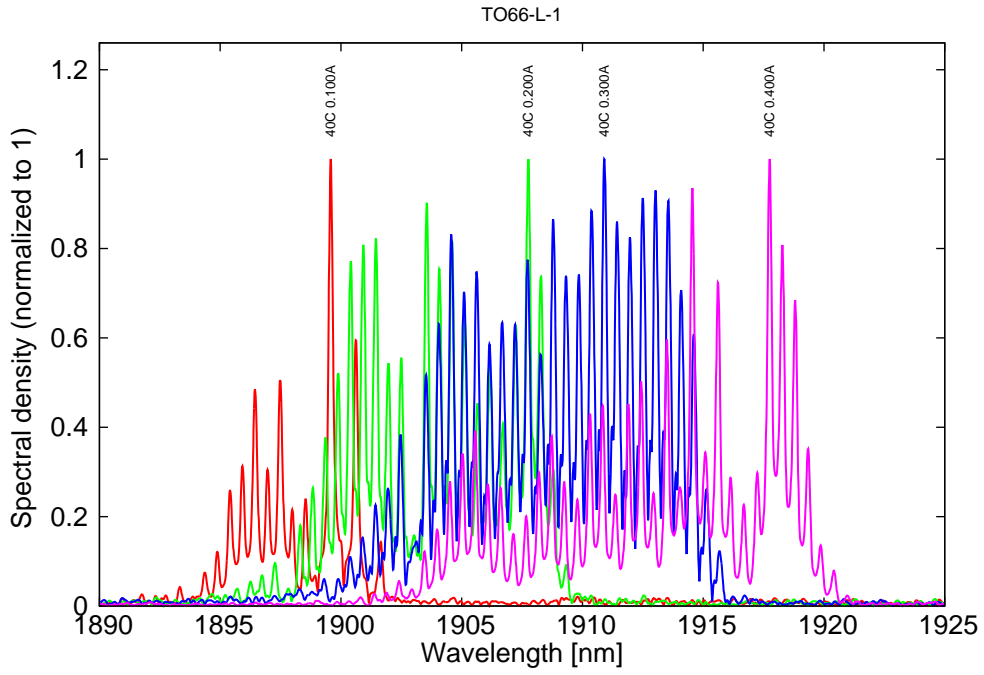


Figure 6: Spectra at 40C for various DC currents.

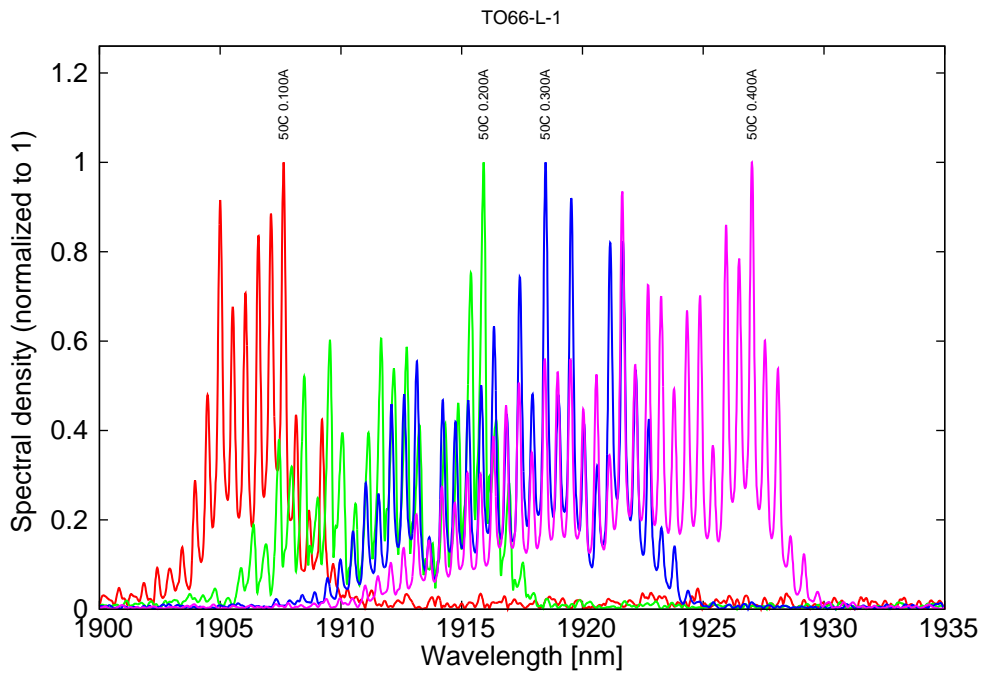


Figure 7: Spectra at 50C for various DC currents.