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80K

Datasheet for 80K

Please read the starter kit user manual (at least installation section 4), if available, and have a look at the FAQ at <http://www.alpeslasers.ch/alfa.pdf>!

WARNING: Operating the laser with longer pulses, shorter period, or higher voltage or current than specified in this document may cause damage and will result in loss of warranty, unless agreed upon with Alpes Lasers!

Note: all data taken with 100ns pulses, varying duty cycle

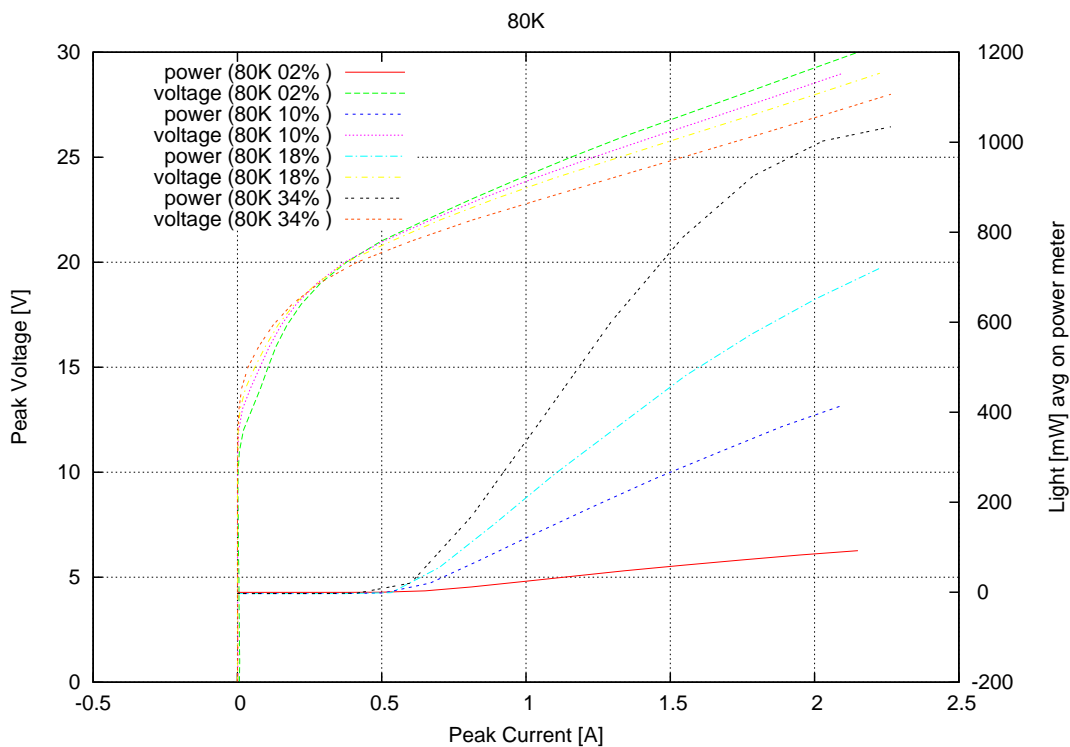


Figure 1: peak voltage and avg collected power vs peak current at 80K

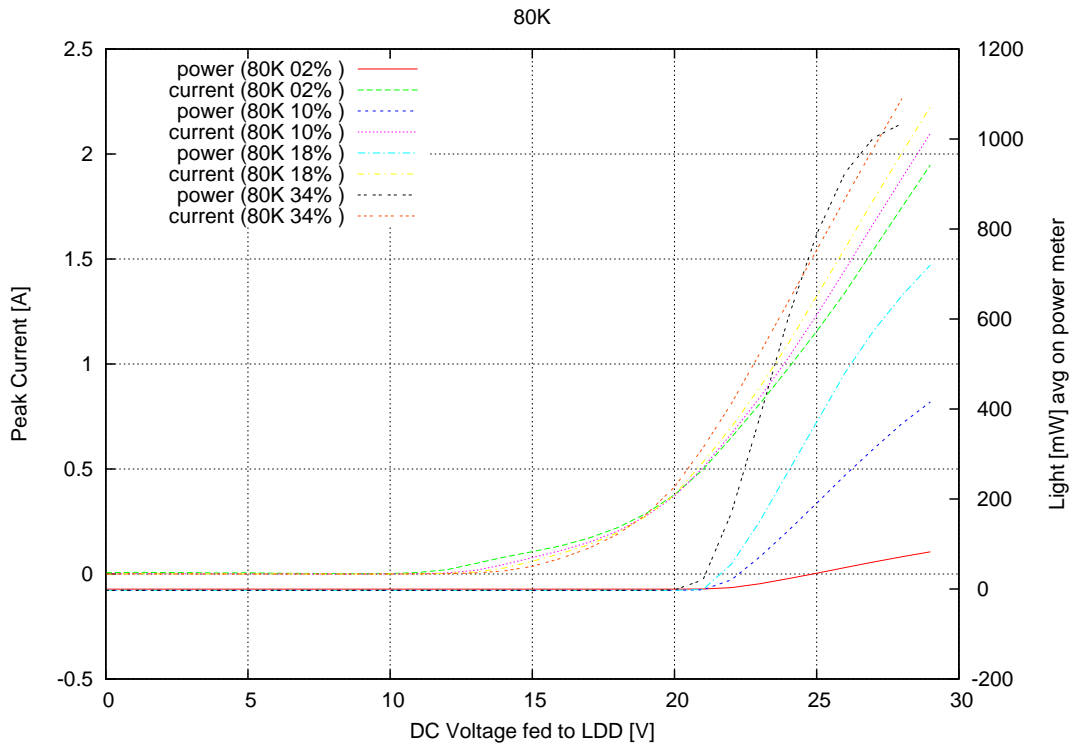


Figure 2: peak current and avg collected power vs LDD voltage at 80K

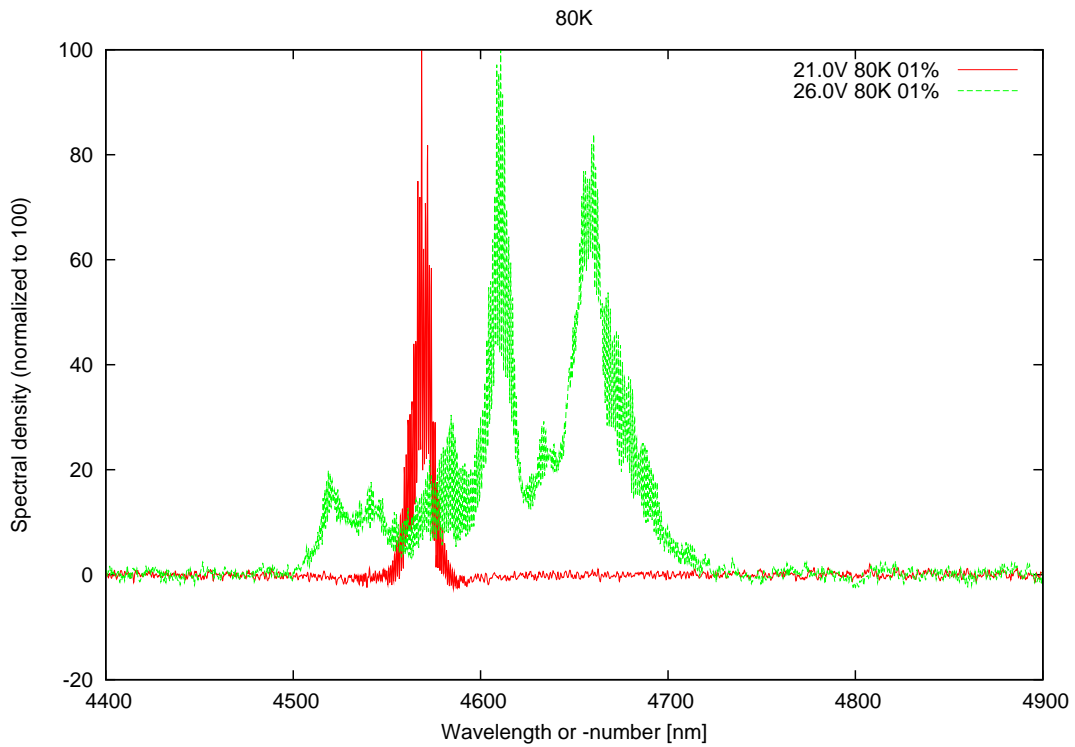


Figure 3: spectra at 80K at 1% dc at 21V and 26V on LDD (corresponding respectively to an output power of 0.1mW and 28mW)

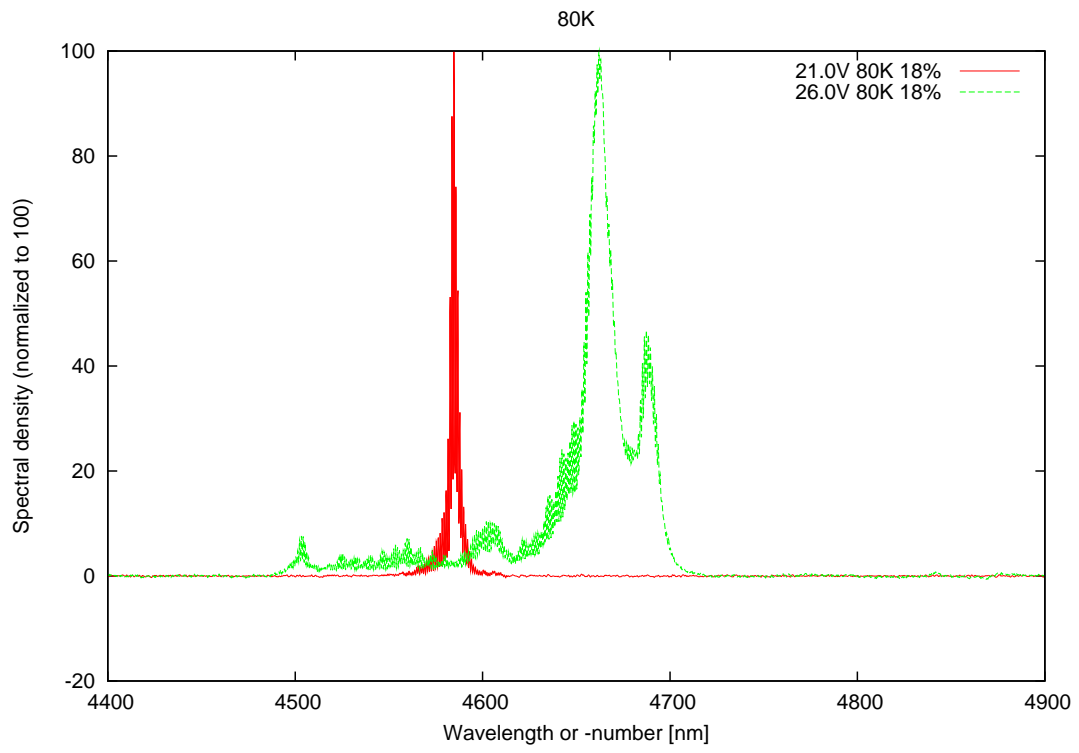


Figure 4: spectra at 80K at 18% dc at 21V and 26V on LDD (corresponding respectively to an output power of 0.1mW and 480mW)