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n196a24

Datasheet for n196a24

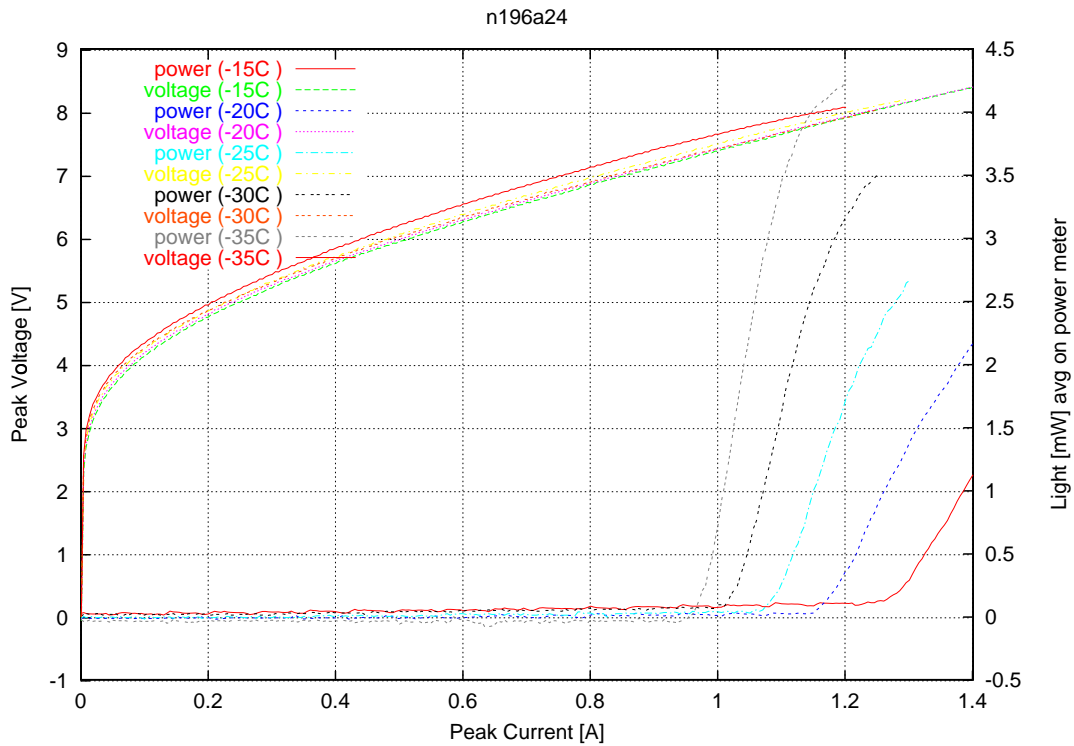


Figure 1: peak voltage and avg power vs current in continuous-wave operation

WARNING: JUNCTION UP MOUNTING (bias negative on the pad and positive on the base). To use with a power-supply Keithley 2420 or equivalent!

Note: at -35C: $I_{th}=0.95A$ / $V_{th}= 7.62V$ (4-wires measurements)

Maximum operation current: 1.1A at -35C, 1.13A at -30C, 1.19A at -25C, 1.28A at -20C, 1.34A at -15C.

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

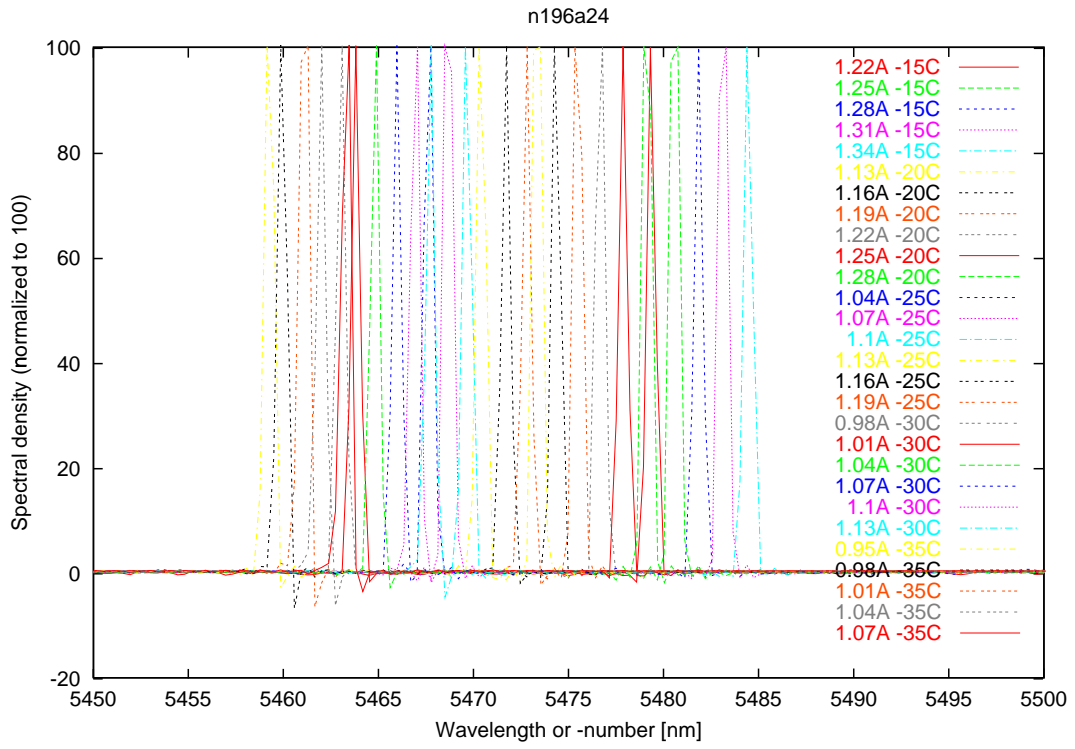


Figure 2: spectra at -35, -30, -25, -20 and -15C

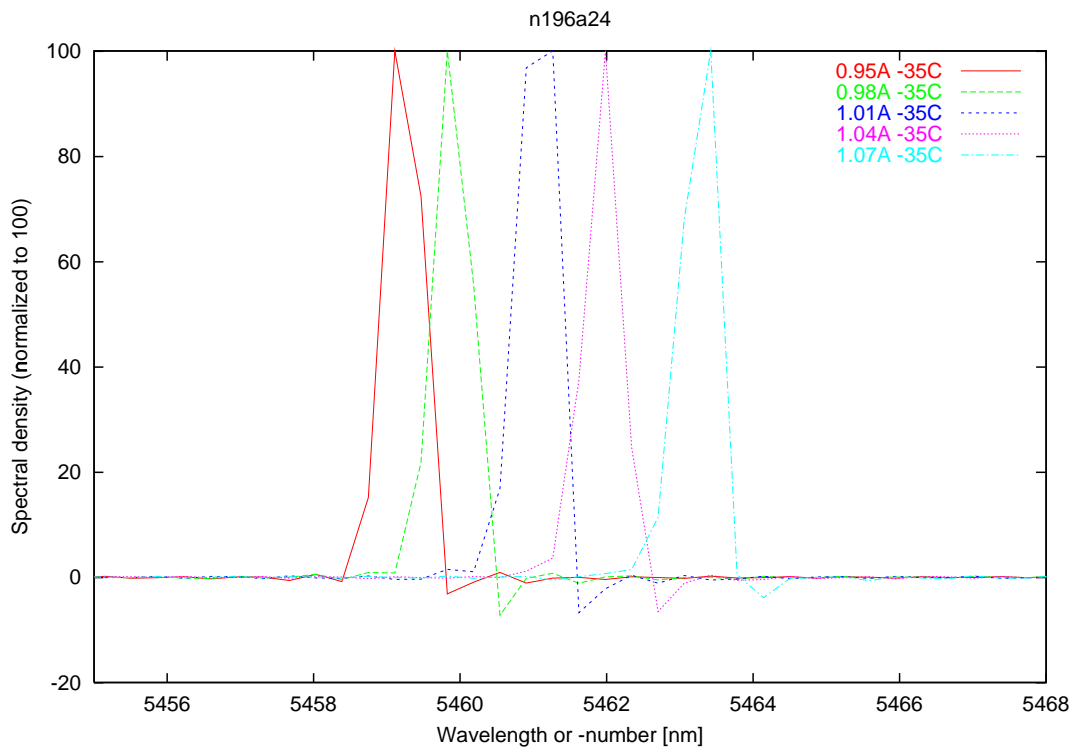


Figure 3: spectra at -35C

typical of the batch

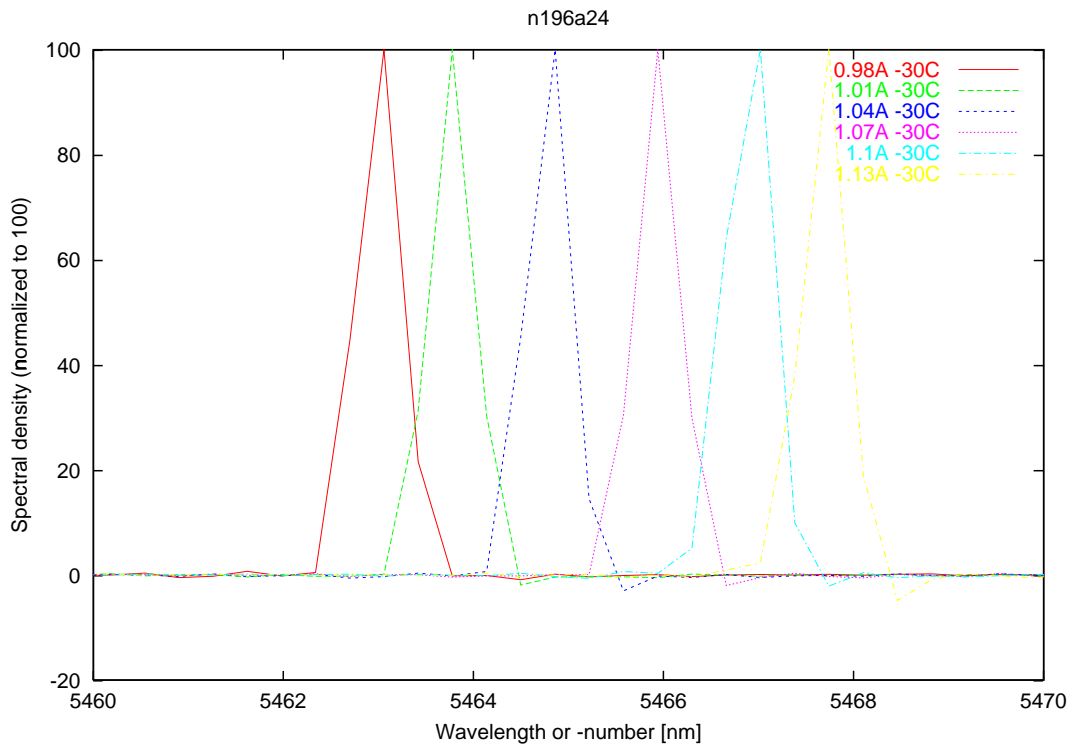


Figure 4: spectra at -30C

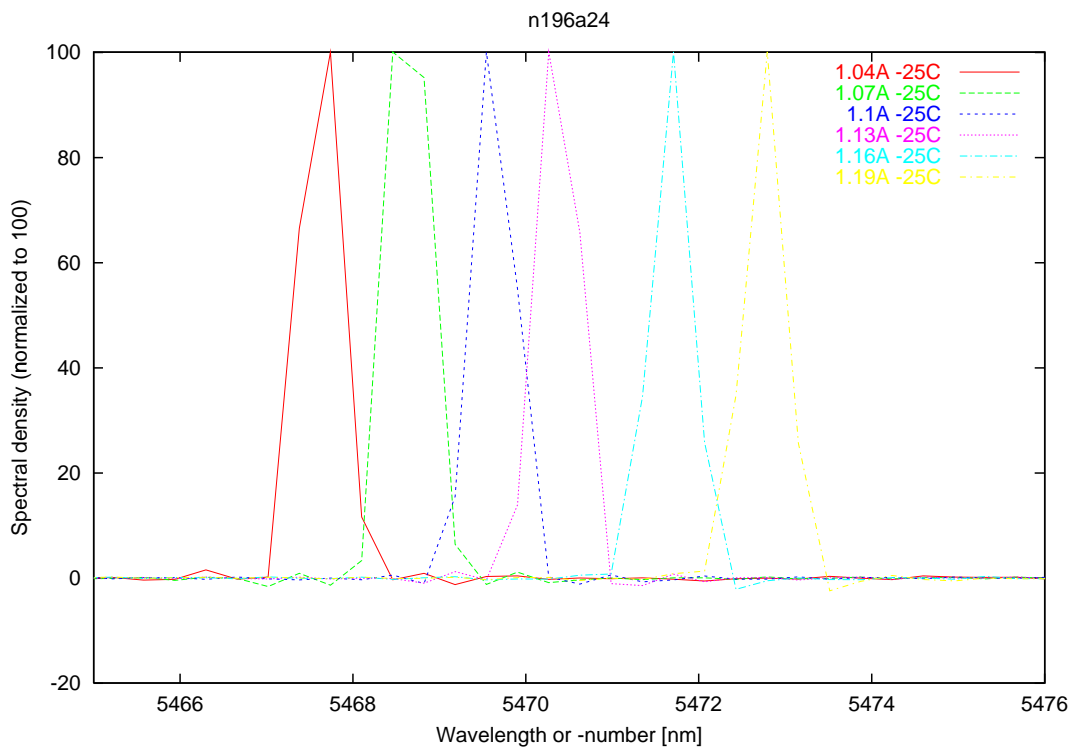


Figure 5: spectra at -25C

typical of the batch

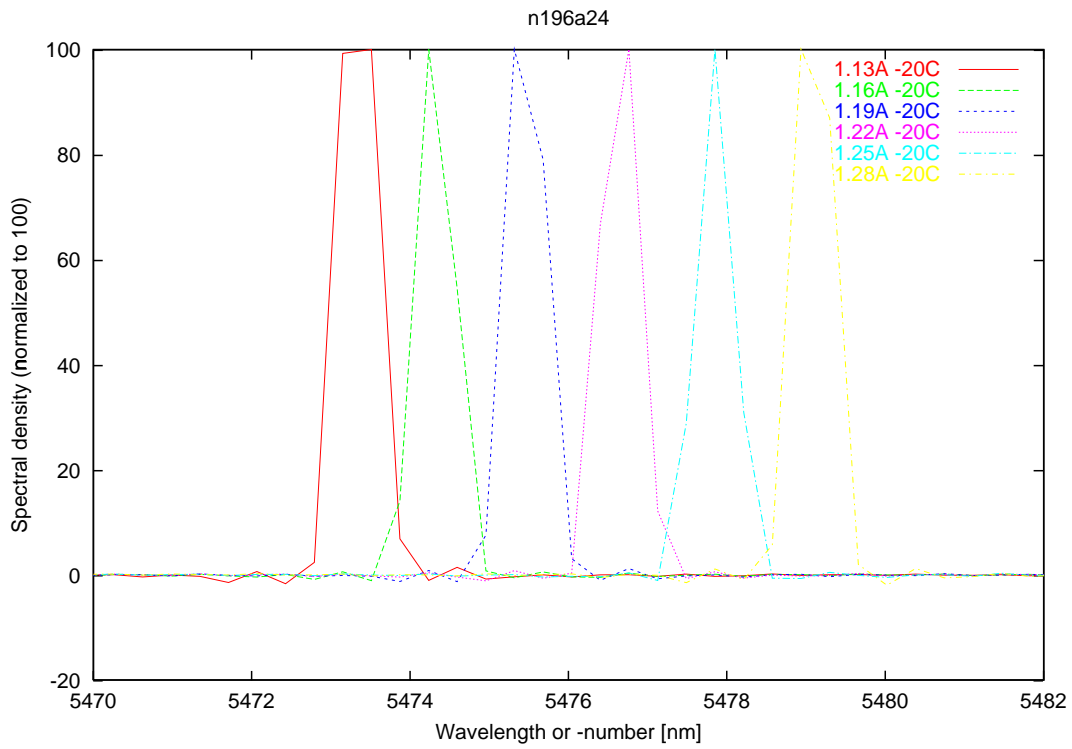


Figure 6: spectra at -20C

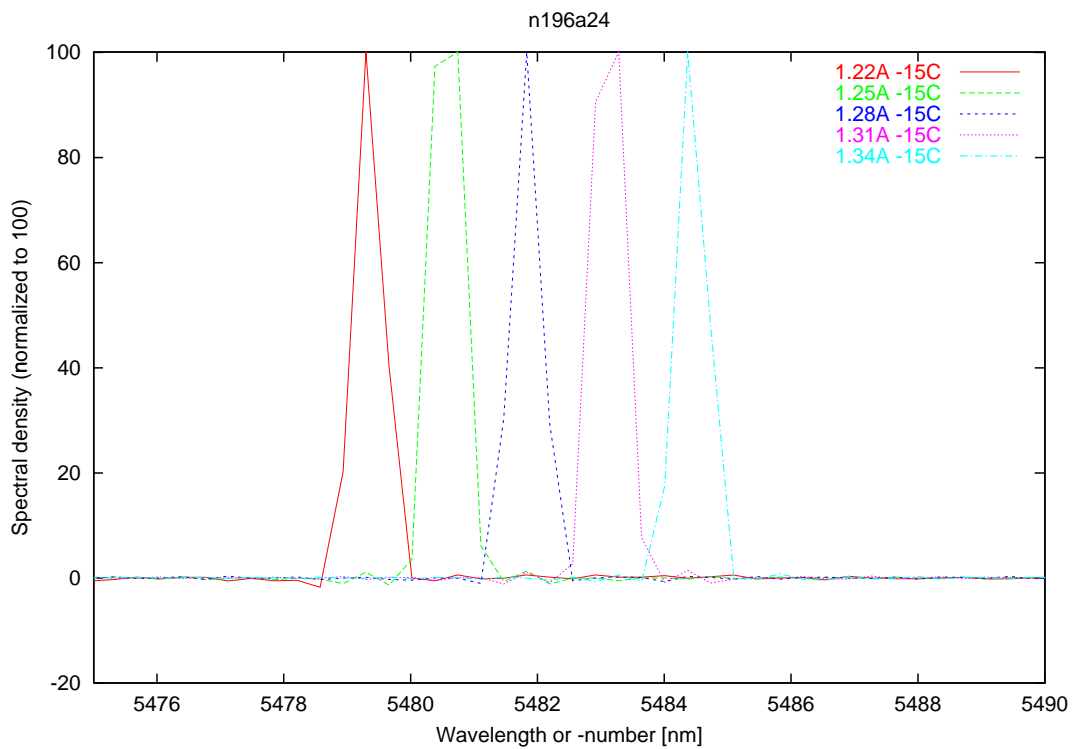


Figure 7: spectra at -15C

typical of the batch

Please read the entry section of the starter kit user manual, if available, and have a look at the FAQ available at <http://www.alpeslasers.ch/faq.html> if you have questions!