



Opto-Board

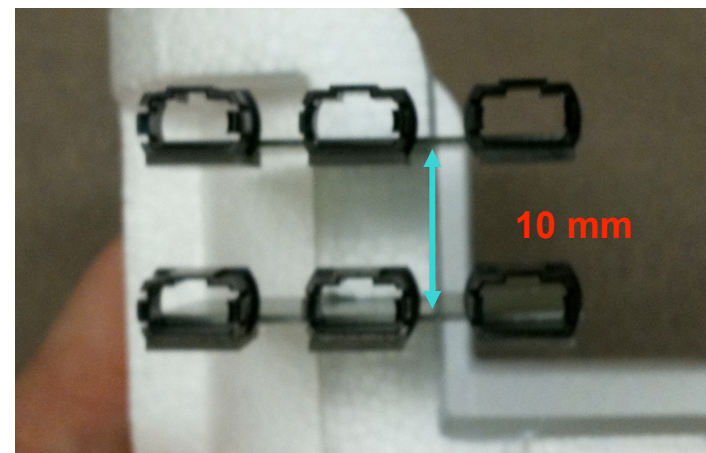
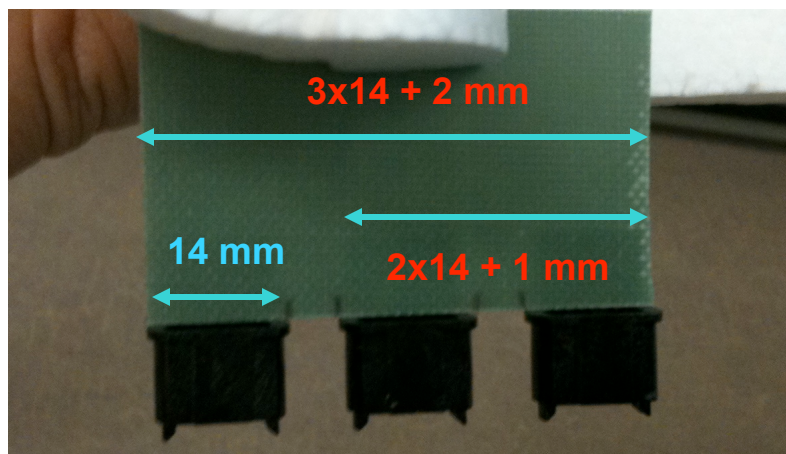
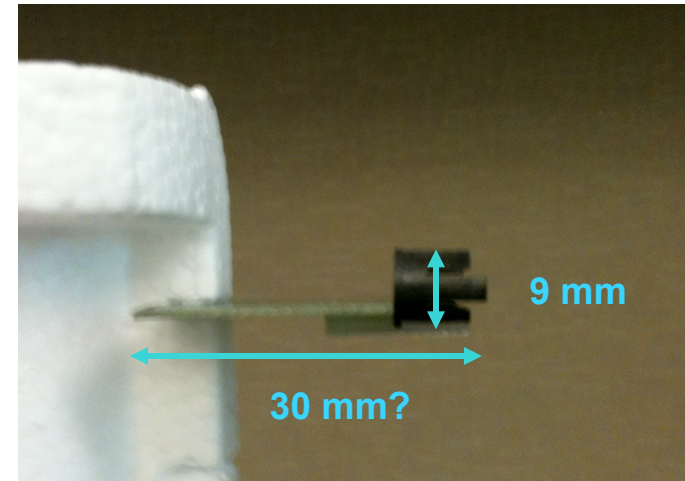
K.K. Gan

Oct 7, 2010



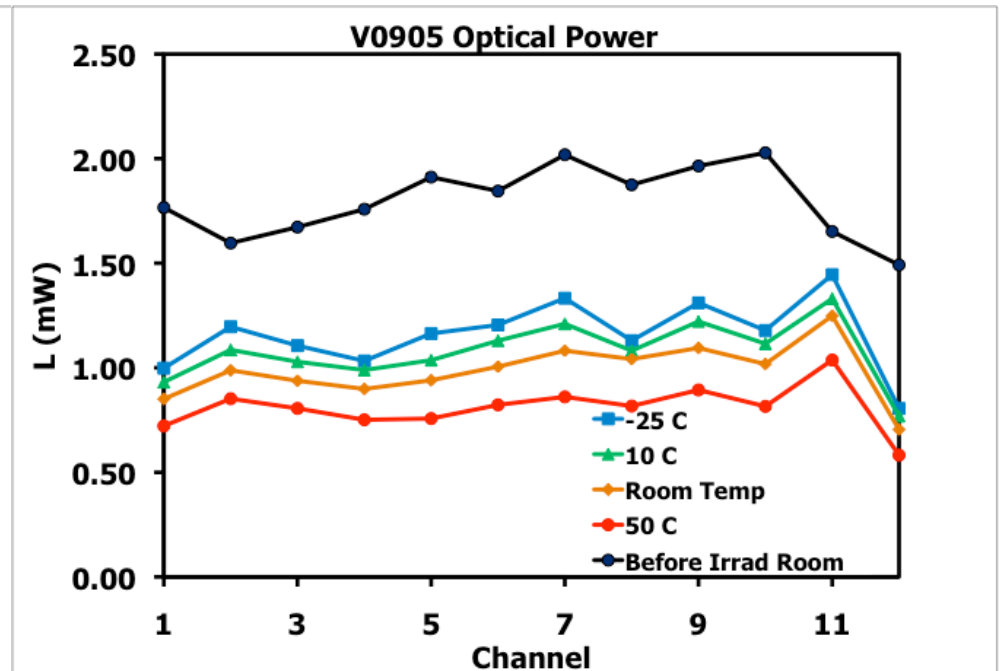
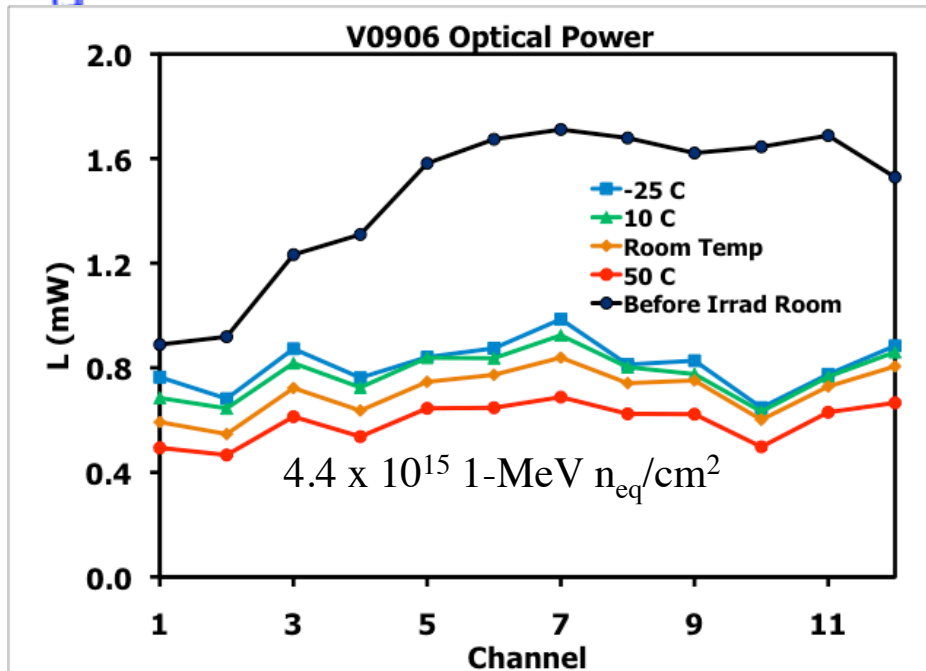
Minimal Opto-Board Envelop

- board spacing: 10 mm
- board width: 29 mm for D boards
- board width: 44 mm for B boards
- board length: ~30 mm





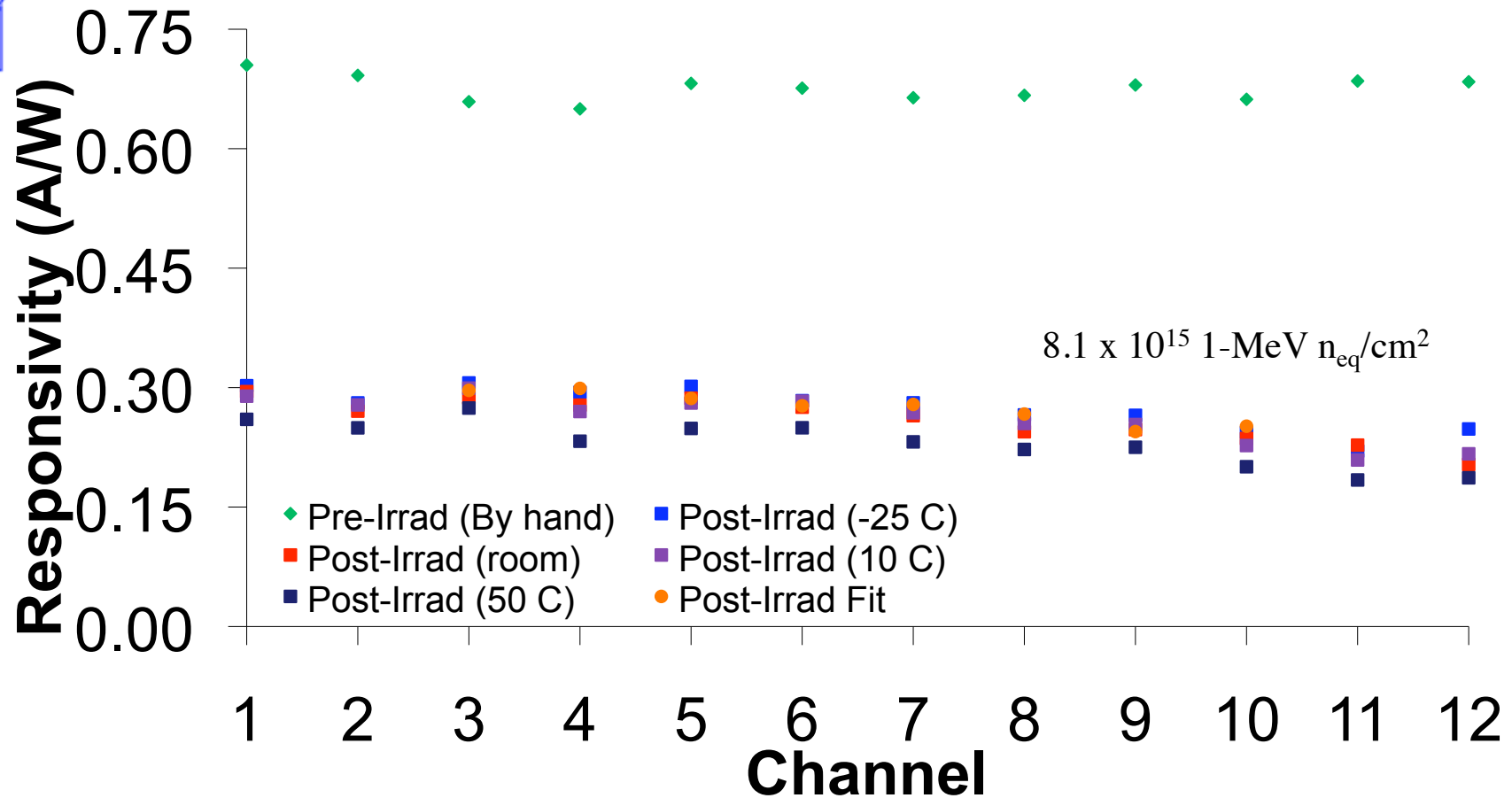
VCSEL Power vs Temperature



- Cooler VCSEL produces more optical power



PIN Responsivity vs Temperature



- Responsivity is slightly higher at lower temperature
- VCSEL and PIN have similar temperature dependence
- ⇒ Keep opto-board cool