Opto-Board

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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

\[4.4 \times 10^{15} \text{ 1-MeV } n_{eq}/\text{cm}^2\]
- Responsivity is slightly higher at lower temperature
- VCSEL and PIN have similar temperature dependence
- Keep opto-board cool

8.1 x 10^{15} \text{ 1-MeV n}_{\text{eq/cm}^2}