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Inexpensive Near-IR Photodetector

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 [Keywords](#)  
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**Abstract:** Fabrication and characterization of a CdS/Si heterojunction detector for 1.064  $\mu$  m Nd:YAG laser detection has been carried out by pyrolytic spraying of CdS films onto single crystal n-type Si substrates. Response time has been determined in this study.

**Key Words:** CdS/Si heterojunction, spray pyrolysis, IR detector.



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