

Section7 ex6

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6 What is meant by a “thinned” CCD? What are the advantages and disadvantages of thinned CCDs?

- thinned CCD : CCD with thin substrate
 - backside-illuminated CCD (silicon substrate~10um)
- advantage
 - excellent response in the blue and violet
- disadvantage
 - mechanically fragile and easily deformed
 - interference fringing (multiple reflection inside the CCD substrate or between the silicon and the supporting substrate)