**Supplementary Information for** 

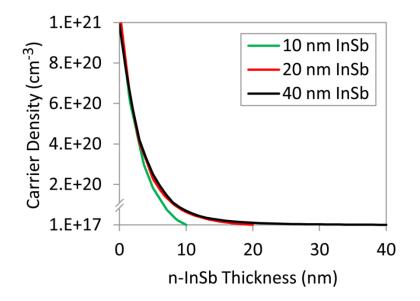
## Electrically tunable perfect light absorbers as color filters and modulators

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**Figure S1.** Variation of carrier density (with a -50 V bias) inside the InSb layer for three devices with InSb thicknesses of 10 nm, 20 nm, and 40 nm.