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g / cm^3 6.02 $\times 10^{23}$ 28.09 5 $\times 10^{23}$ // $6.02 \times 10^{23} \times \frac{1}{28.09} = 2.33 g / cm^3$. 1. 3. $k_0 = 0.8$ for boron in silicon $M / M_0 = 0.5$ The density of Si is $2.33 g / cm^3$. The acceptor concentration for $N_A = 0.01 \times 10^{18} cm^{-3}$ is $9 \times 10^{18} cm^{-3}$. The doping concentration C_S is given by.

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