

$$P_{AB}=1.461 \times 128 + 0.9[(7.5+11.0) \times 0.9 + 1.5 \times 2 + 1.08 + 0.38 \times 2 + 36.0] = 238.4 \text{ kBT}$$

$$J_{pAB} = 378 \text{ A} \quad \cos f = 0.96$$