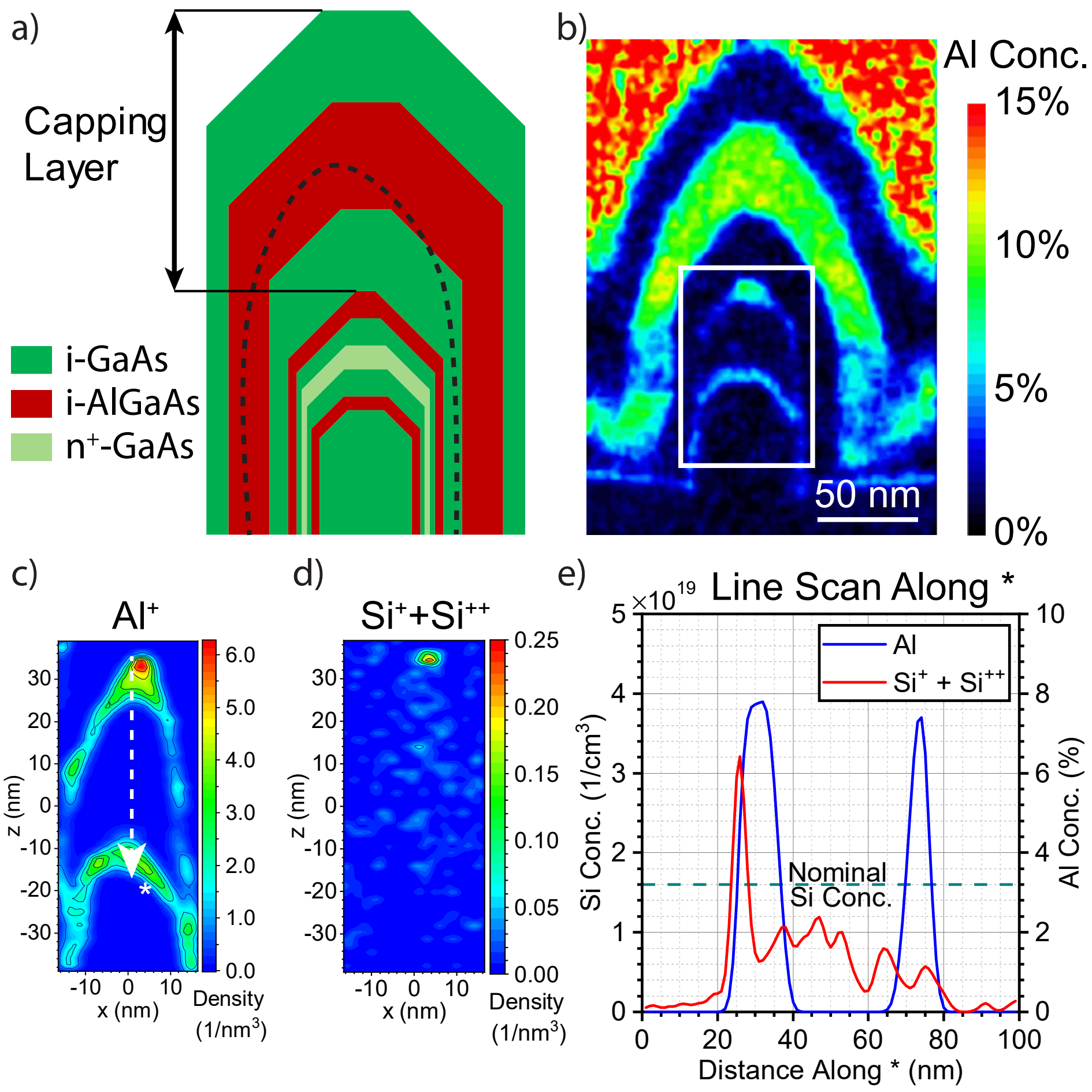
a)
Capping Layer
i-GaAs
i-AlGaAs
n+-GaAs
b)
Al Conc.
15%
10%
5%
0%
50 nm
c)
Al+
z (nm)
x (nm)
Density (1/nm3)
d)
Si++Si+++
z (nm)
x (nm)
Density (1/nm3)
e)
Line Scan Along *
×10^19
Al
Si+ + Si++
Nominal Si Conc.
Si Conc. (1/cm3)
Al Conc. (%)
Distance Along * (nm)