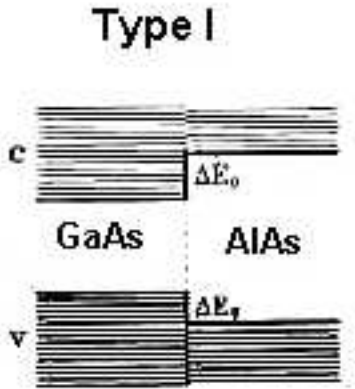
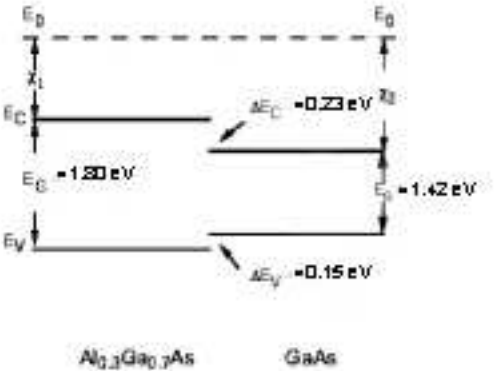

Type I
c
ΔE_c
GaAs
AlAs
v
ΔE_v

(a)


E_0
E_0
χ_1
E_C
ΔE_C =0.23 eV
χ_2
E_G =1.80 eV
E_G =1.42 eV
E_V
ΔE_V =0.15 eV
$Al_{0.3}Ga_{0.7}As$
GaAs

(b)