

Fig.1. Schematics of vertical pn heterojunction diode

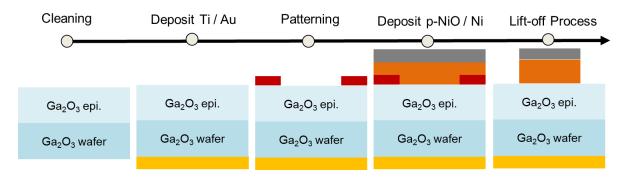


Fig.2. Vertical pn heterojunction diode fabrication process

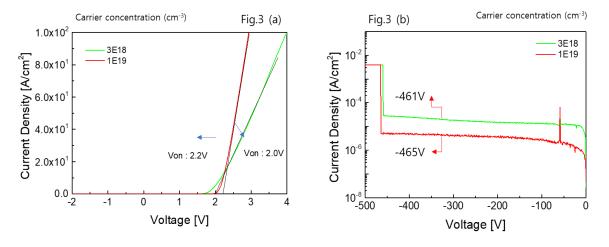


Fig.3(a) The J-V curve of pn diode as a function of carrier concentration

Fig.3(b) The Breakdown voltage of pn diode as a function of carrier concentration