

Fig. 1. Initial growth structure (left) and photoluminescence of the initial structure before (Reference) and after annealing (at 600 and 650 C), which simulates the thermal effect of the regrowth (right).



Fig. 2. SEM images of the photonic crystal, top-down (left) and cross sectional (right)



Fig. 3. Optically pumped PCSEL: L-L curve (left) and optical spectrum (right). The optical spectrum shows the photoluminescence of the device (off cavity, black) and the laser spectrum (on cavity, blue)