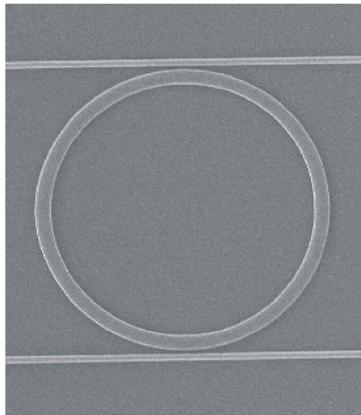
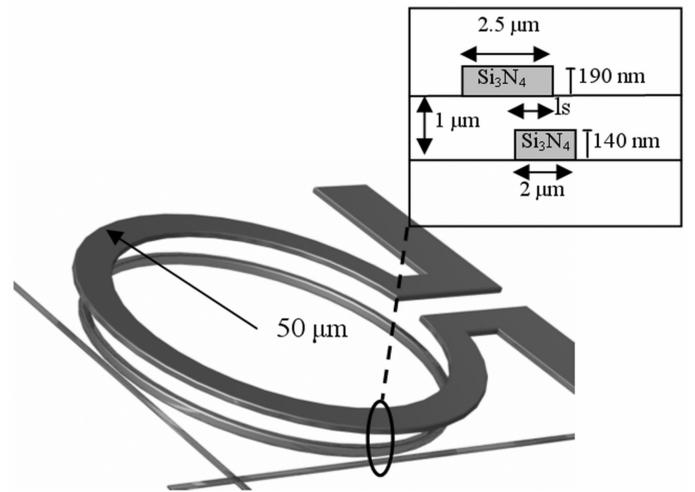
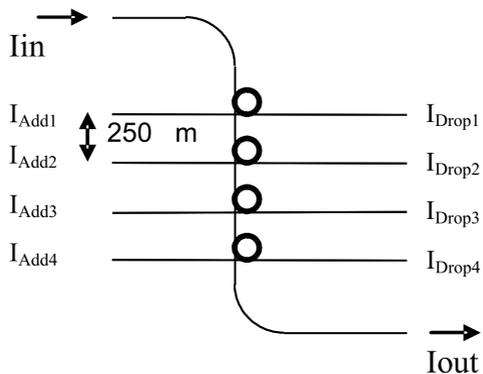


Ring-resonator based add-drop multiplexers

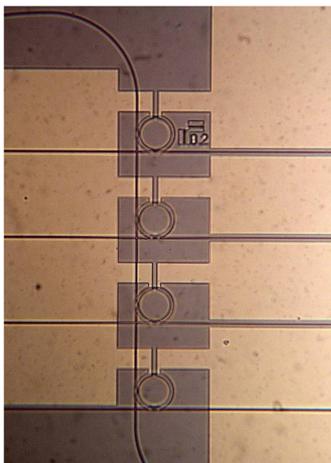
Courtesy of IOMS, University of Twente



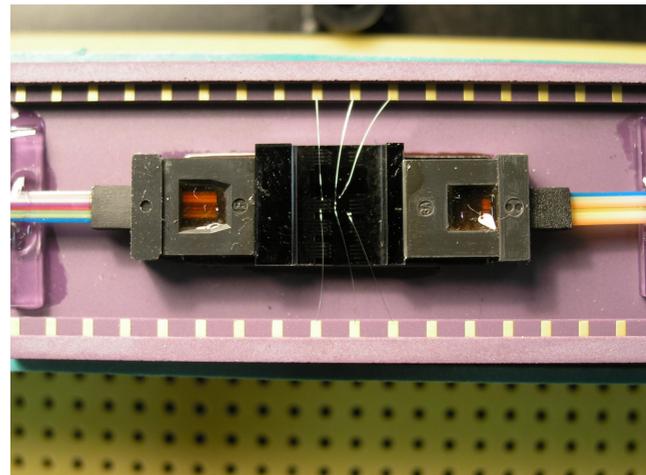
Laterally coupled ring resonator with diameter of 50 micron



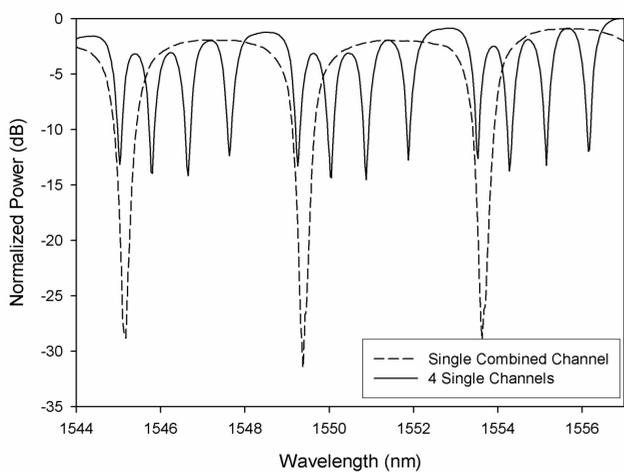
OADM design (Manhattan layout) based on vertically coupled RR's with crossings



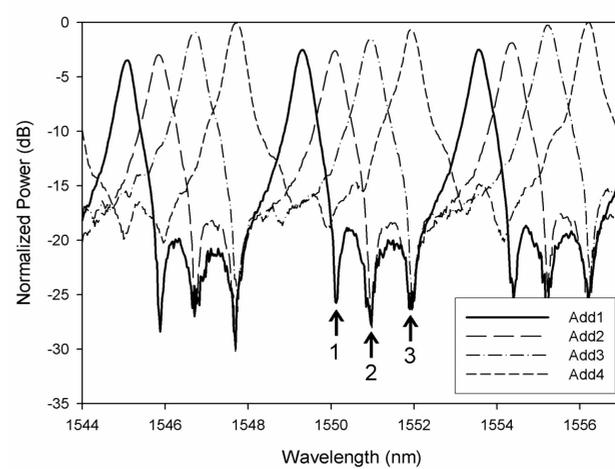
Photograph of the realized structures showing the vertically coupled RR's



Pigtailed and wirebonded OADM: the size of the chip is only 0.3 mm²



Response of the through port for the 2- and the 4-channel configuration



4-channel drop configuration with each RR tuned to a different frequency