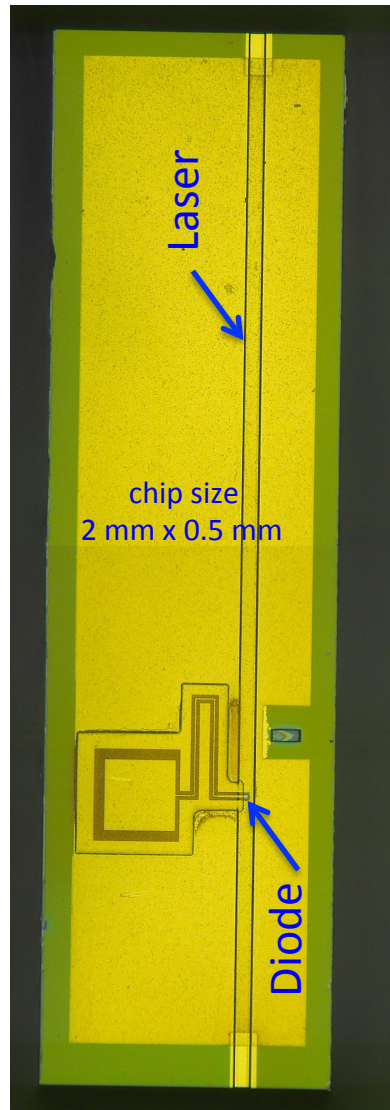
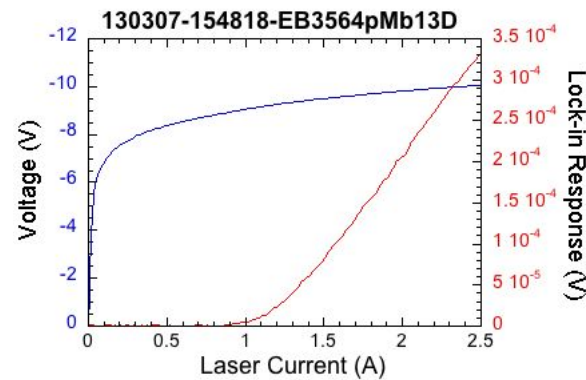


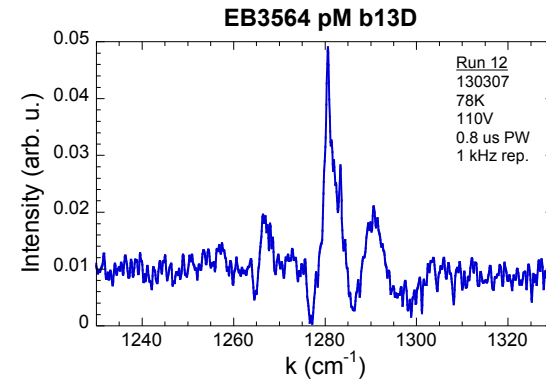
First Integrated MIR Transceiver Demo : March 7, 2013



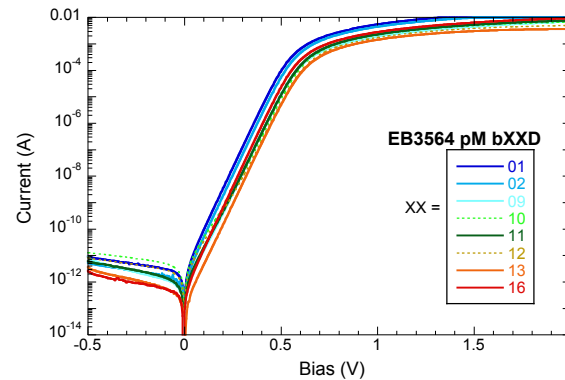
Pulsed Laser L-I-V



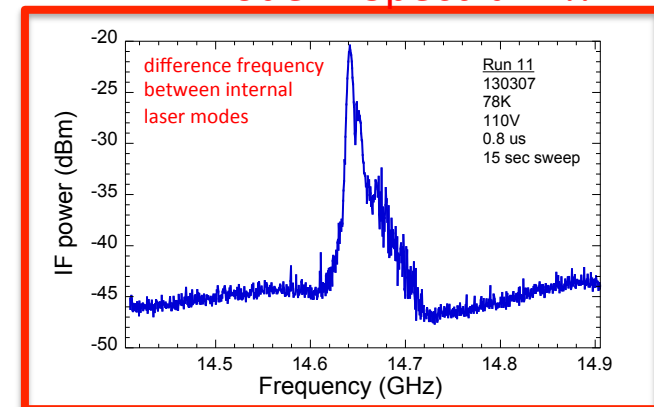
Pulsed Laser Spectrum



Diode I-V



Diode IF Spectrum !!



Integrated Schottky diode acts as detector and mixes internal MIR laser modes to generate heterodyne beat signal. May enable sensitive, spectrally selective, room temperature detection.