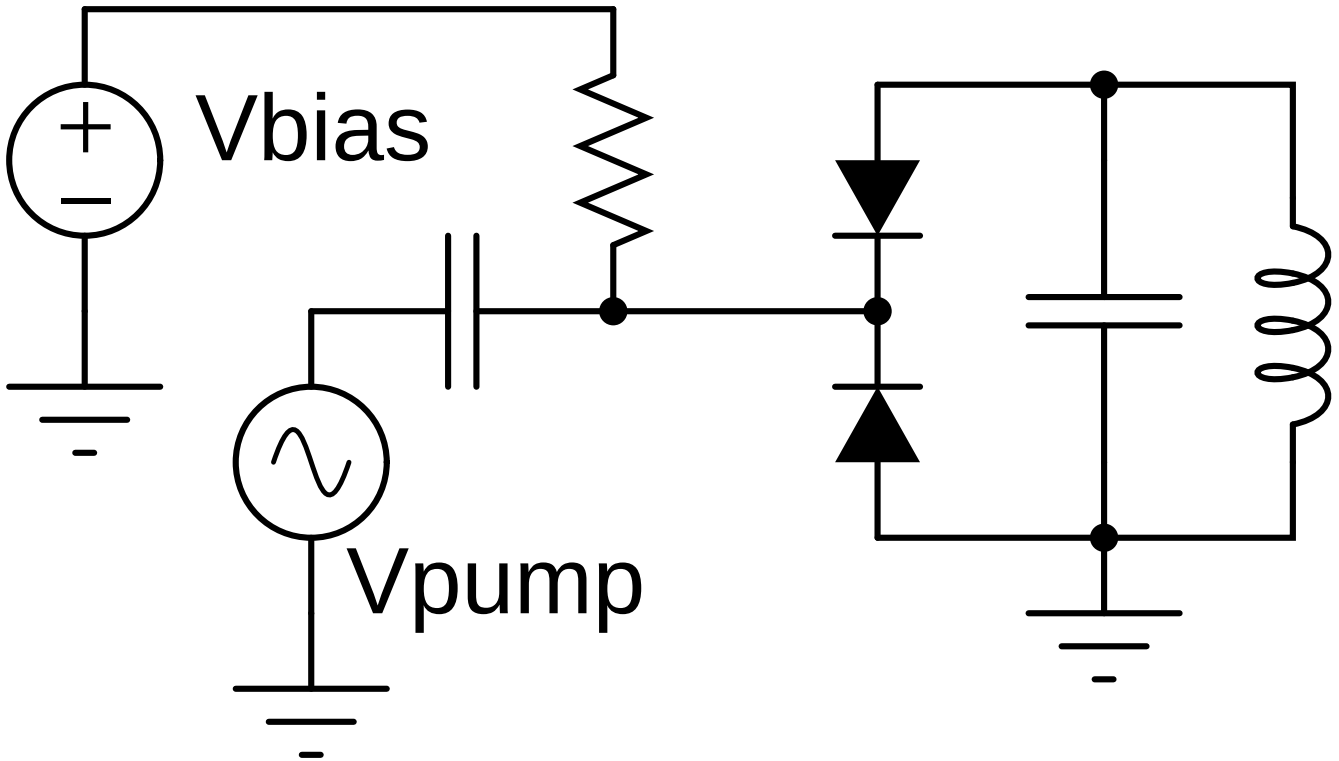Degenerate Parametric Oscillator Test Circuit