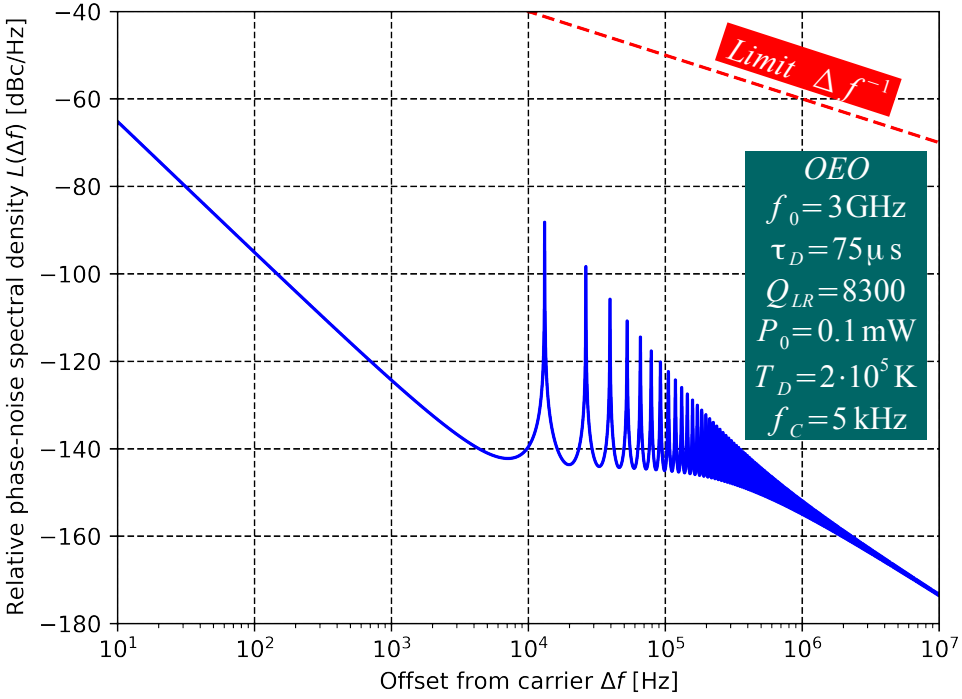
Limit Δf^{-1}
OEO
$f_0 = 3\,\mathrm{GHz}$
$\tau_D = 75\,\mu\mathrm{s}$
$Q_{LR} = 8300$
$P_0 = 0.1\,\mathrm{mW}$
$T_D = 2 \cdot 10^5\,\mathrm{K}$
$f_C = 5\,\mathrm{kHz}$
Relative phase-noise spectral density $L(\Delta f)$ [dBc/Hz]
−40
−60
−80
−100
−120
−140
−160
−180
10^1
10^2
10^3
10^4
10^5
10^6
10^7
Offset from carrier Δf [Hz]