

DFG Simulations

DFG Type II tuning characteristics

DFG designed working point:

pump: 930nm / signal:1550nm / idler: 2325nm

DFG signal tuning at working point:

pump:930nm=const / signal bandwidth: 6.5nm / idler bandwidth: 14nm

DFG pump tuning at working point:

pump bandwidth: 0.69nm / signal:1550nm=const. / idler bandwidth: 4.3nm

DFG tuning around working point:

1nm pump tuning shifts signal by 1nm and idler by 15nm

maximum DFG signal tuning:

pump: 942.8nm=const / signal bandwidth: 150.7nm / idler bandwidth: 174nm

degenerate point:

pump:942.6nm / signal=idler:1885nm



