Capacitação em Circuitos Fotônicos em Silício.

Ring Resonator

WIRTUSCC

Centro de Competência Embrapii em Hardware Inteligente para a Indústria

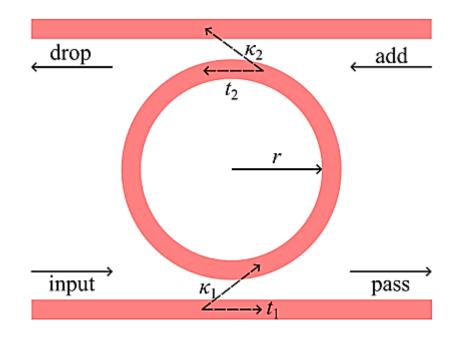
CURSOS, CAPACITAÇÃO E TREINAMENTOS



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Geometria





Dimensão Importantes:

Altura = $0.22\mu m$

Largura = $0.5\mu m$

Raio de abertura = 5μ m

Comprimento do Acoplador = $14\mu m$

FSR = 1nm:

 $Lr = 552.82 \mu m$

 $Lc = 662.82 \mu m$

 $Lc_wg = 110.00 \mu m$

FSR = 10nm:

 $Lr = 552.82 \mu m$

 $Lc = 662.82 \mu m$

 $Lc_wg = 110.00 \mu m$

FSR = 20nm:

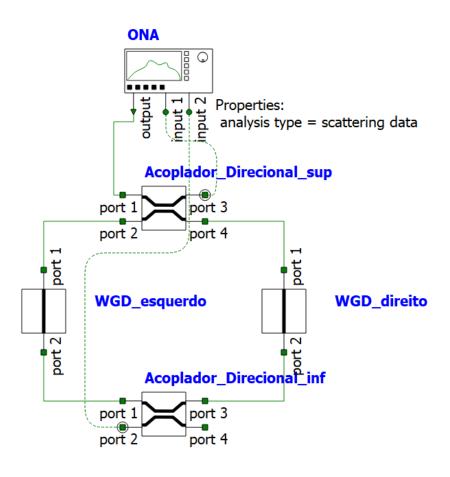
 $Lr = 552.82 \mu m$

 $Lc = 662.82 \mu m$

 $Lc_wg = 110.00 \mu m$

Geometria

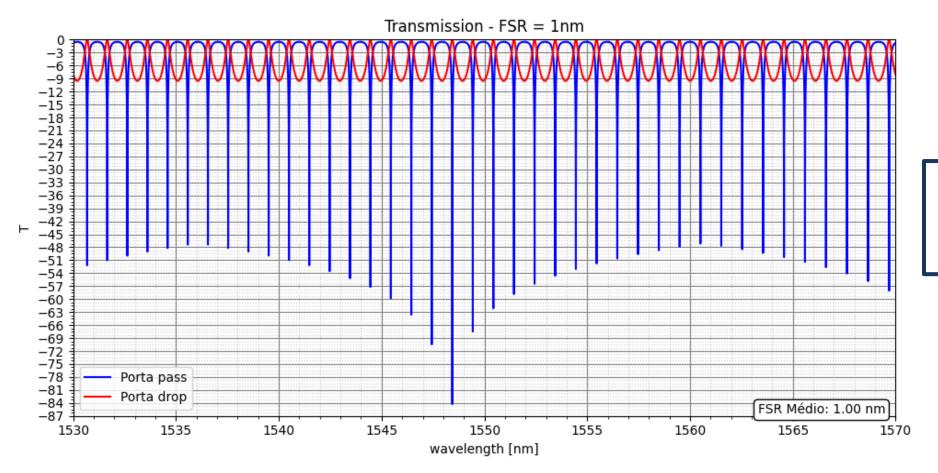




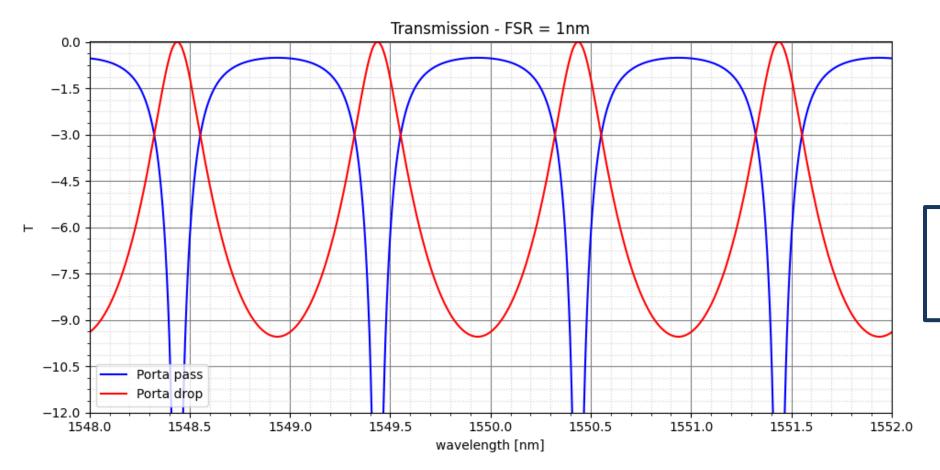
1. Transmissão



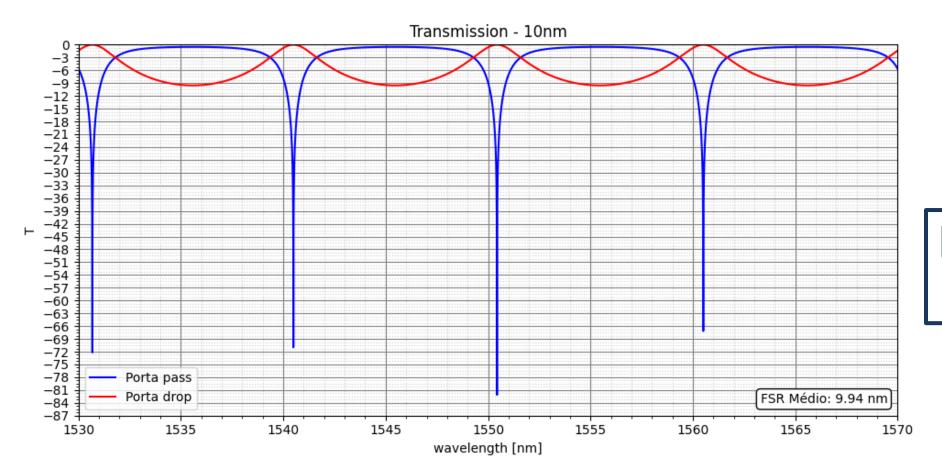




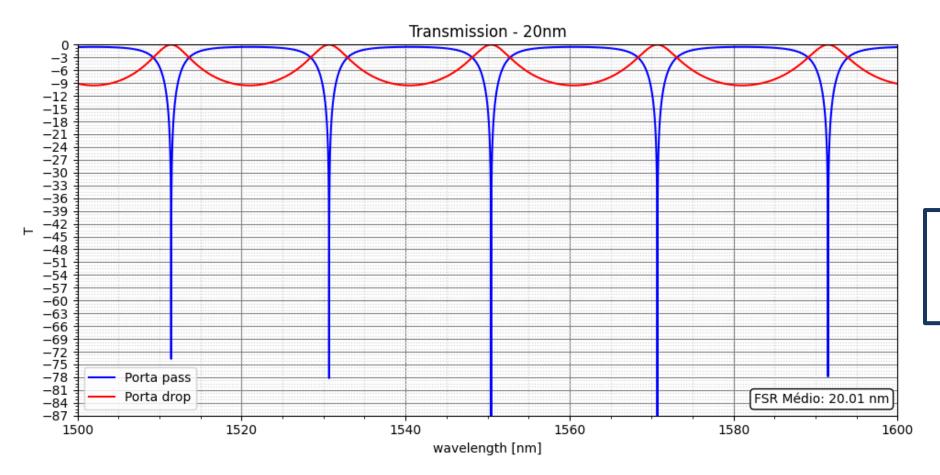




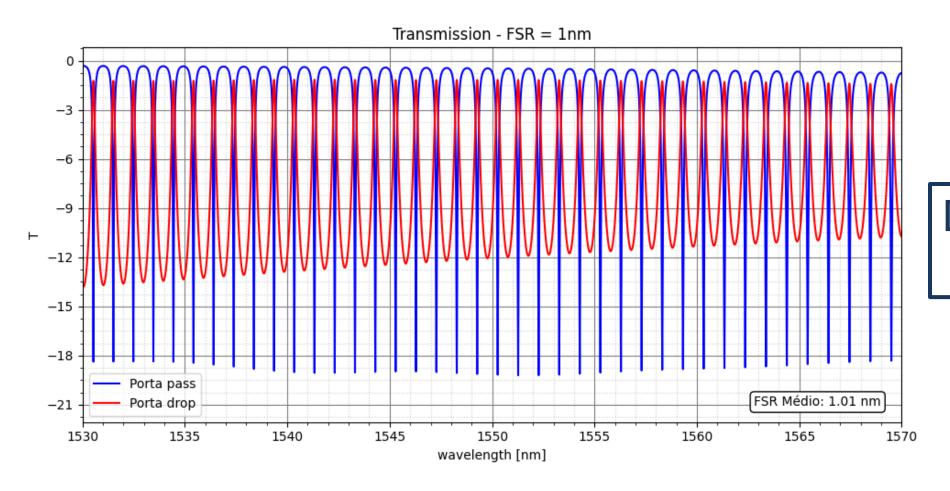




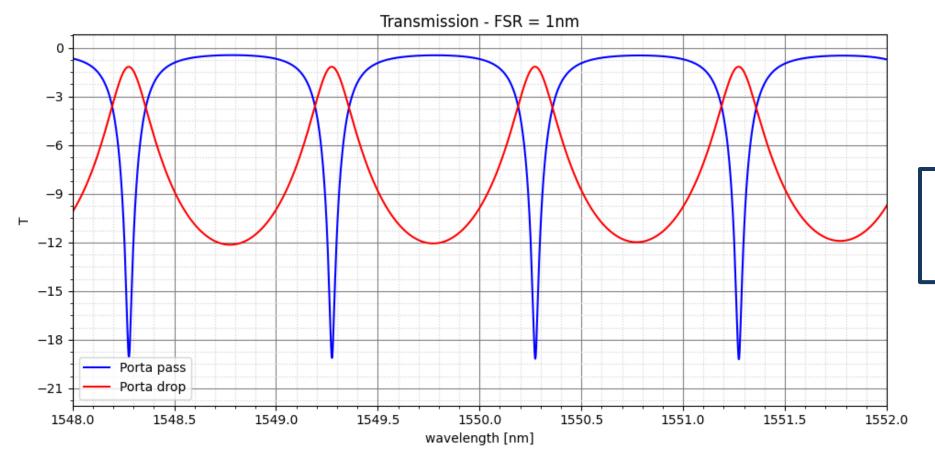




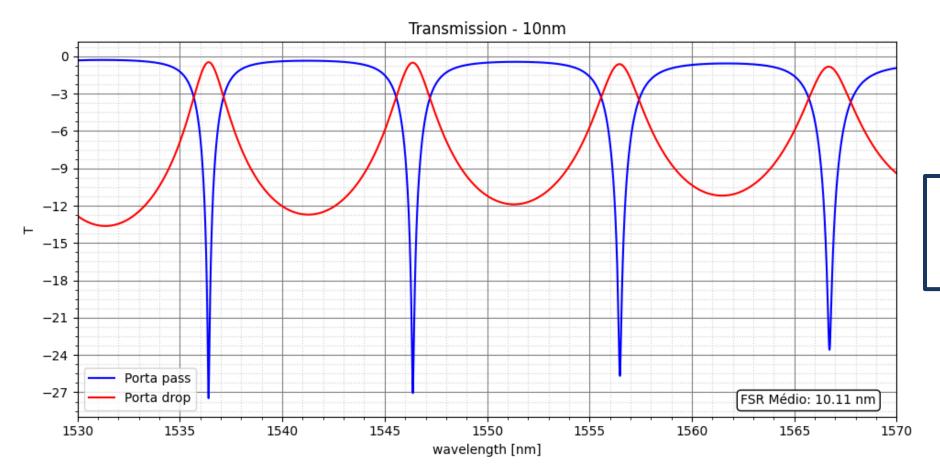






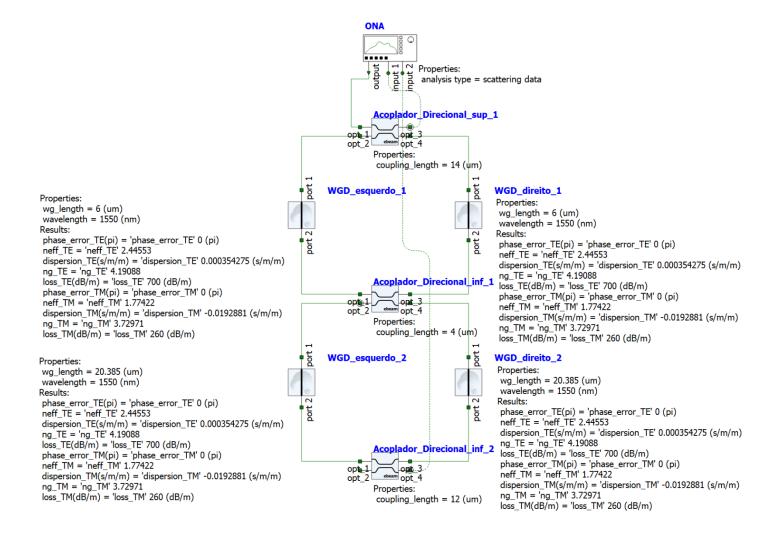




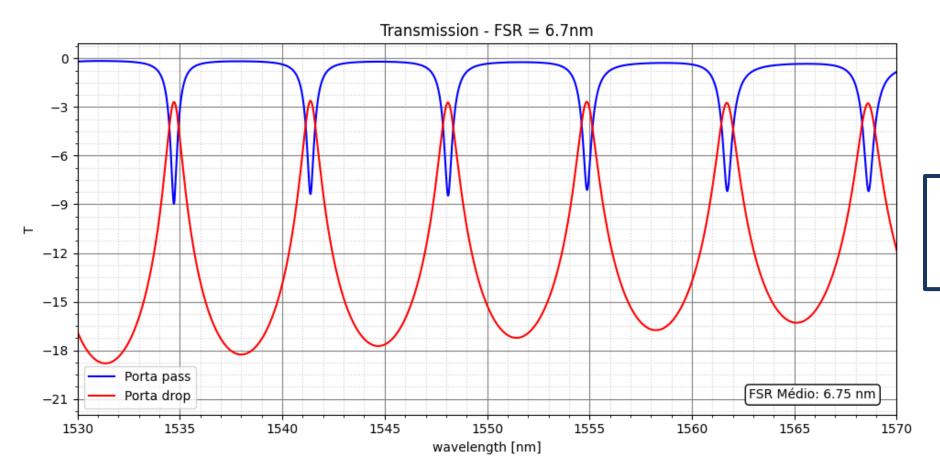


Geometria

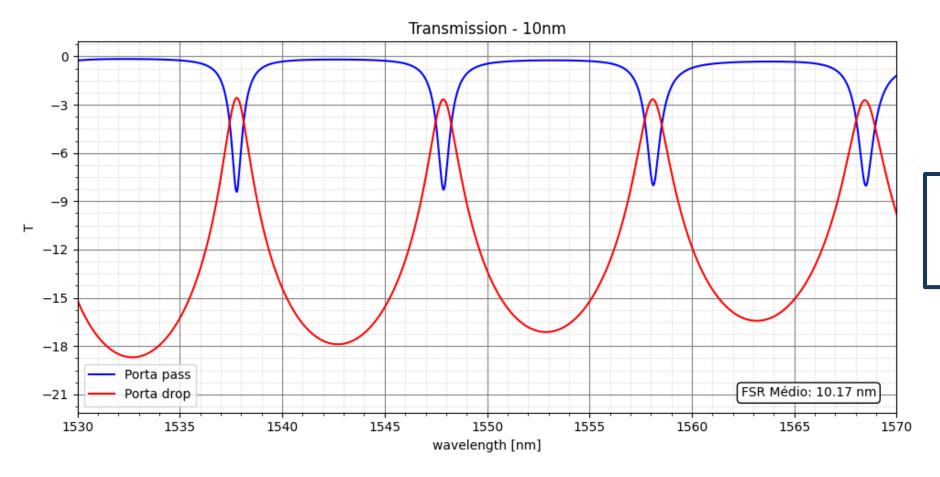




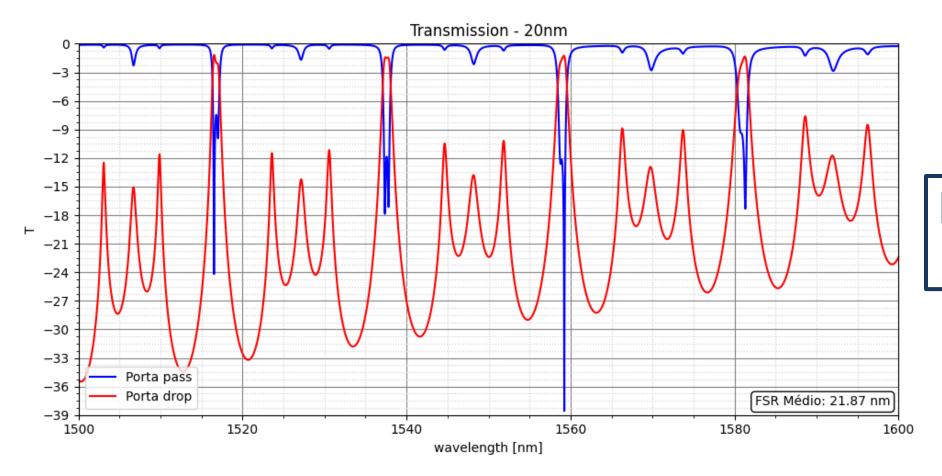








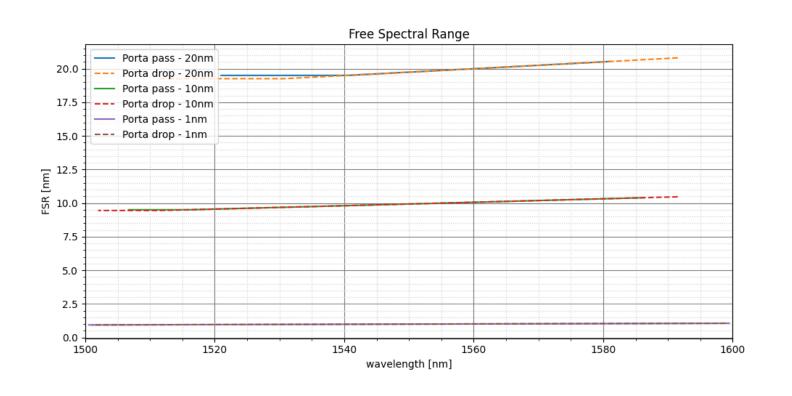




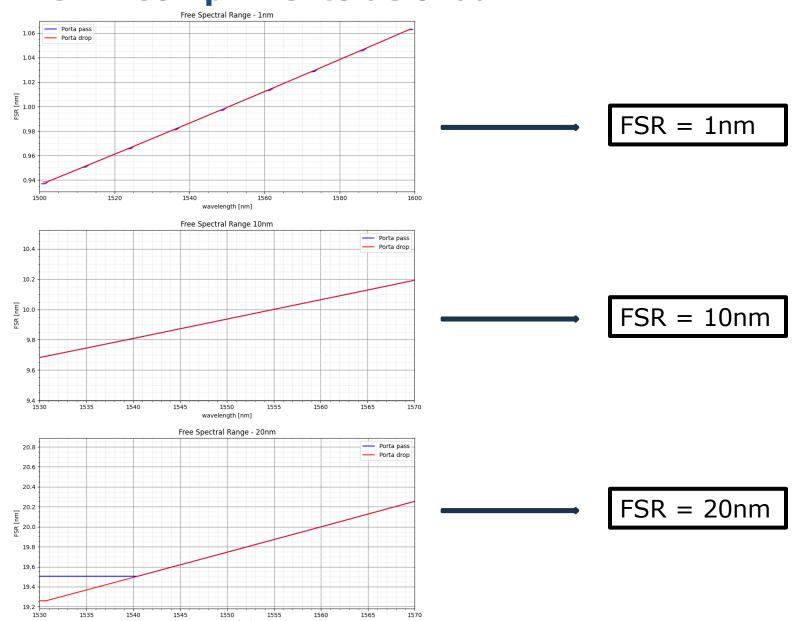
2. Free Spectral Range



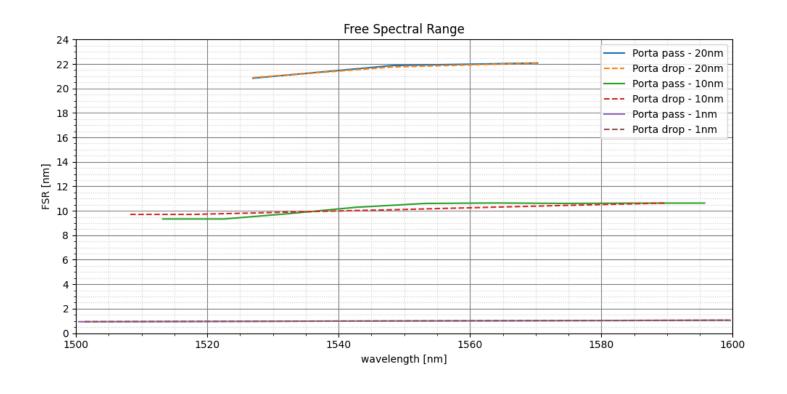




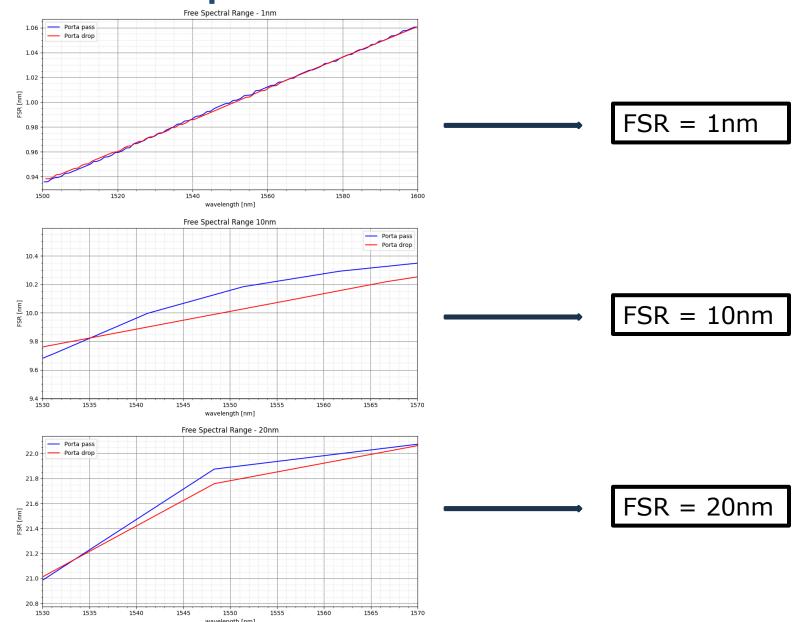












3. GDS



3 GDS



