

No.	Polarization	N	Loss (dB)	Cavity Width (μm)	Cavity Length (μm)	Grating Period (μm)	Corrugation Width (μm)	Quality Factor	Comments
1	TE	125	1.50	0.5	300	0.317	0.08	0.0929e6	Low propagation loss 1.5dB/cm; best case scenario
2	TE	145	2.25	0.5	300	0.317	0.08	0.1e6	
3	TE	165	3.0	0.5	300	0.317	0.08	0.106e6	
4	TE	185	3.75	0.5	300	0.317	0.08	0.109e6	
5	TE	205	4.5	0.5	300	0.317	0.08	0.108e6	
6	TE	225	5.25	0.5	300	0.317	0.08	0.108e6	
7	TE	245	6.0	0.5	300	0.317	0.08	0.11e6	Grating number increased/increase reflectivity to account for possible higher propagation loss.
8	TM	125	6.0	0.5	150	0.317	0.08	0.066e6	Experiment with TM with Design 1 values