

DIPLEX FILTER WITH CAVITY RESONATORS

Simulation of diplex filter with Efield frequency domain method of moments solver

- Efield method of moments solver using waveguide ports
- Frequency sweep: 101 frequencies from 7.55 GHz to 7.75 GHz
- Mesh resolution: 5 mm
- Elements: 1858
- Unknowns: 2787
- Solution time: 22 s/frequency
- Memory need: 62 Mb

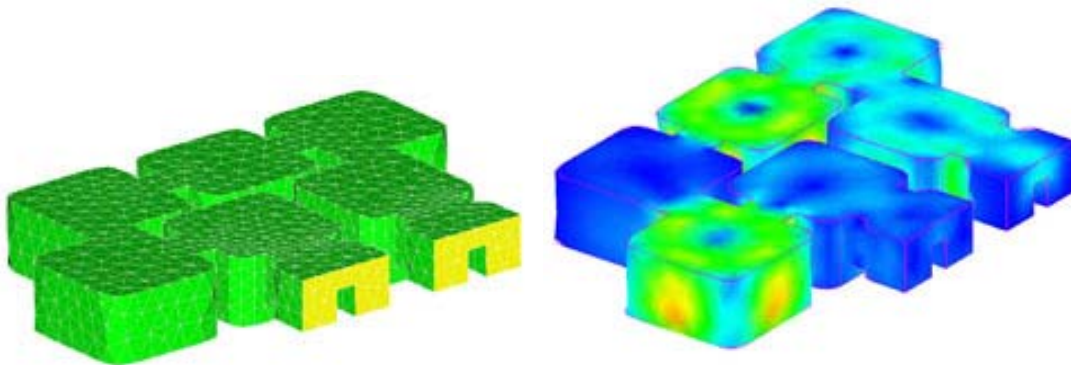


Figure 1: Mesh of diplex filter (left) and surface currents of diplex filter (right)

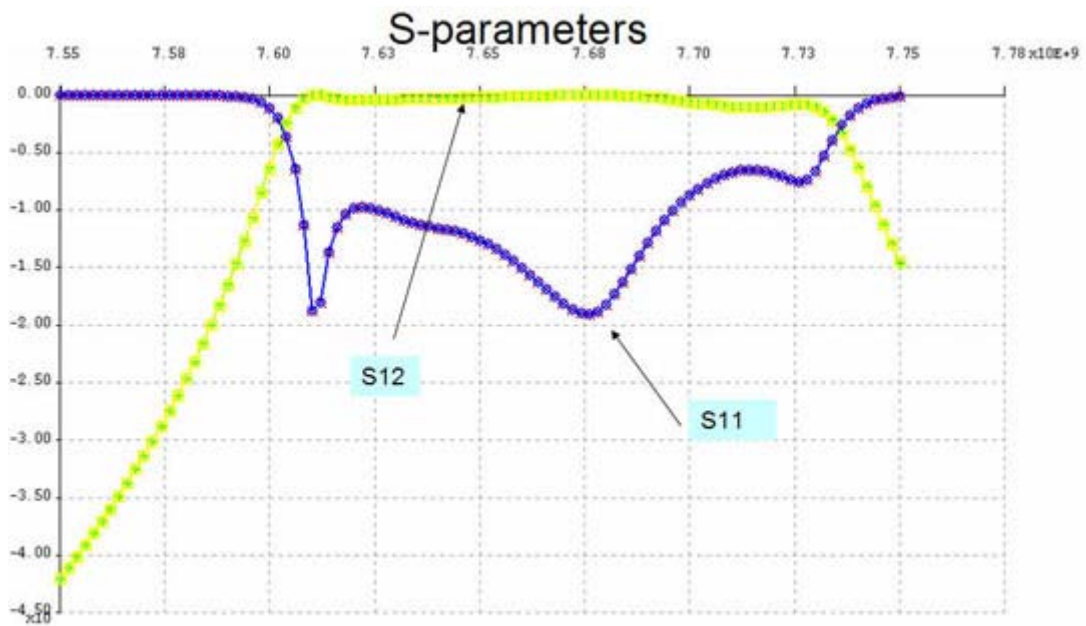


Figure 2: S-parameters of duplex filter

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