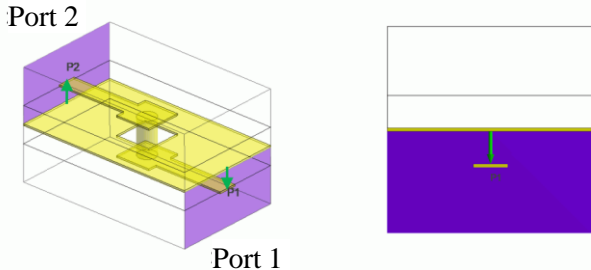# Question 15

Q: What structures are required for ports in the electromagnetic analysis of Femtet? (Electromagnetic analysis/Hertz/Port)
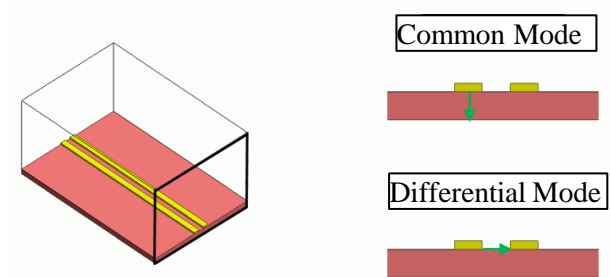
A: The port must be configured to be a transmission line, such as microstrip lines, waveguides, or parallel plates, such that the electromagnetic waves can propagate through them.
Please refer to the Femtet help menu below for more information.
Home>Technical Notes>Electromagnetic Analysis/Boundary Condition>How to Set Ports in Electromagnetic Analysis

Example of External Port (Microstrip Line):
Model (Left), Enlargement of Port 1 (Right)

Example of External Port (Differential Line):
Model (Left), Enlargement of Port 1 (Right)