This module defines objects of the following class.

Class

Microstripline

- Width of the msl: W (In units of meters. Computed from Z0, if not defined by the user.)
- Characteristics impedance: Z0 (In units of Ohm. Computed if W is defined. If W is not defined, takes the value given by the user.)
- If both W and Z0 are not defined: Gives an error.
- Length of the msl: l (In units of meters. Preferably should be given by the user. Takes value=1 meter, if not defined by the user.)
- Frequency: omega. (In units of rad/sec. Must if an object of Network class has to be computed as an attribute. Optional is only using it for synthesis and analysis.)
- An object of class Network: NW (Object type: Network. Computed and defined only when omega is defined.)
- Guided wavelength: lambda_g (In units of meters. Computed when omega is defined.)
- Phase velocity: vp (In units of meters/sec. Computed)
- Phase constant: beta (In units of rad/m. Computed when omega is defined.)