

## ***TRANSMISSION LINES FOR BIO MEMS***

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Planar transmission lines went through a silent but rapid development after 1950. Variants of Stripline, Microstripline, Slot line, Coplanar waveguide and coplanar strips have found lot of practical applications in MEMS. Conventional Microstripline and Coplanar wave guide have been modified as Micromachined transmission lines.

Micromachining improves performance characteristics. Conventional synthesis is modified so as to suit MEMS. Artificial neural network has been used as a tool to generate synthesis data for Micromachined Coplanar Waveguide. Applications of Coplanar Waveguide in Bio MEMS are also studied.