

# Abstracts

## Low Conductor Loss Microstrip Lines with Side-Grooves

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*K. Li and K. Atsuki. "Low Conductor Loss Microstrip Lines with Side-Grooves." 1996 MTT-S International Microwave Symposium Digest 96.1 (1996 Vol. I [MWSYM]): 311-314.*

In this paper, we propose two low loss microstrip lines with side-grooves which can weaken the concentration of the current density at the edges of the strip conductor. A method called partial-boundary element method (p-BEM) is employed in our analysis. Theoretical results for these lines demonstrate significant effects on the conductor loss reduction by the side-grooves and inlaid dielectric material.

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