

Abstracts

Miniature Hybrid Microwave IC's Using a Novel Thin-Film Technology (Dec. 1990 [T-MTT])

K. Eda, T. Miwa, Y. Taguchi and T. Uwano. "Miniature Hybrid Microwave IC's Using a Novel Thin-Film Technology (Dec. 1990 [T-MTT])." 1990 Transactions on Microwave Theory and Techniques 38.12 (Dec. 1990 [T-MTT] (1990 Symposium Issue)): 1949-1956.

A novel thin-film technology for miniature hybrid microwave IC's is presented. All passive components, such as resistors and capacitors, are fully integrated on ordinary alumina ceramic substrates rising the thin-film technology with very high yield. The numbers of parts and wiring processes were significantly reduced. This technology was applied to the fabrication of Ku-band solid-state power amplifiers.

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