

Abstracts

A novel design concept for a super compact power amplifier module (SCPAM) using a multilayer substrate

M. Nishida, S. Murai, S. Banba, T. Yamaguchi, T. Sawai and M. Sawada. "A novel design concept for a super compact power amplifier module (SCPAM) using a multilayer substrate." 1999 MTT-S International Microwave Symposium Digest 99.3 (1999 Vol. III [MWSYM]): 1103-1106 vol.3.

This paper presents a novel circuit and layout design concept for a Super Compact Power Amplifier Module (SCPAM) using a multilayer substrate. This concept enables miniaturization of the module, while continuing to allow easy design and good performance. A 0.04 cc 1 W class module for mobile communication systems is demonstrated. A 0.02 cc module including this concept is also proposed.

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