

Abstracts

Low temperature cofired ceramic: an enabler of high power RF integrated amplifiers

P.-M. Piel, J. Estes, S. Marshall, G. Funk and A. Pavio. "Low temperature cofired ceramic: an enabler of high power RF integrated amplifiers." 2002 MTT-S International Microwave Symposium Digest 02.3 (2002 Vol. III [MWSYM]): 1557-1560 vol.3.

Multi-layer ceramic technologies have been viewed recently as an enabler to increase the electrical functionality in a cost effective manner for high power discrete transistors. High power applications have stringent requirements on conductor losses, thermal characteristics and repeatability of design. We present a characterization of these factors and a preliminary definition of the boundary conditions for use in RF integrated amplifiers.

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