# Abstracts

## A resonant flip-chip design with controllable transition band

*Chun-Long Wang, Chieh-Tsao Hwang, Ruey-Beei Wu and Chun-Hsiung Chen. "A resonant flip-chip design with controllable transition band." 1999 MTT-S International Microwave Symposium Digest 99.4 (1999 Vol. IV [MWSYM]): 1423-1426 vol.4.*

This paper proposes a new flip chip structure which uses resonating dual bumps to achieve best transition. By simply changing the distance between the two bumps, we can control the band of minimum reflection in the desired frequency band. The bandwidth over which the return loss is smaller than -20 dB is 20-30%. The corresponding insertion loss in this band is less than -1.5 dB. All, results presented are simulated with the FDTD method combined with PML.

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