

Abstracts

A wideband coplanar stripline to microstrip transition

Young-Ho Suh and Kai Chang. "A wideband coplanar stripline to microstrip transition." 2001 *Microwave and Wireless Components Letters* 11.1 (Jan. 2001 [MWCL]): 28-29.

A wideband coplanar stripline (CPS)-to-microstrip line was developed. The transition has a simple structure for the ease of fabrication with low cost. The measured performance of two back-to-back transitions exhibits an insertion loss of less than 3 dB and a return loss of better than 10 dB over a bandwidth from 1.3 GHz to 13.3 GHz (1:10.2). For narrower bandwidth, an insertion loss of less than 1 dB with a return loss of better than 10 dB was achieved from 1.4 GHz to 7.3 GHz (1:5.2).

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