

Title (en)
BROADBAND MICROSTRIP TO PARALLEL-PLATE-WAVEGUIDE TRANSITION

Title (de)
BREITBANDIGER ÜBERGANG VON MIKROSTREIFENLEITUNG AUF PARALLELPLATTEN-HOHLLEITER

Title (fr)
TRANSITION DE MICRORUBAN A LARGE BANDE EN GUIDE D'ONDES A PLAQUES PARALLELES

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Application
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Abstract (en)
[origin: WO0035044A1] A broadband transmission (20) for use between a shielded microstrip (24) and a parallel-plate waveguide (21). The broadband transition comprises a metallic taper (26) that is electrically connected to a microstrip feed line (24) of the microstrip circuit at one end and to a wall of the waveguide at the other end. The metallic taper may be optimized to tune out reflections caused by the discontinuity between the microstrip circuit and parallel-plate waveguide over a broad operating frequency band. An antenna system (10) employing the broadband transition is also disclosed.

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