

Title (en)
MICROSTRIP LINE/SLOT LINE TRANSITION CIRCUIT

Title (de)
ÜBERGANGSSCHALTUNG ZWISCHEN MIKROSTREIFENLEITUNG UND SCHLITZLEITUNG

Title (fr)
CIRCUIT DE TRANSITION LIGNE MICRORUBAN/LIGNE FENTE

Publication
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Application
EP 12795473 A 20121206

Priority
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• EP 2012074659 W 20121206

Abstract (en)
[origin: WO2013087509A1] The invention relates to a transition circuit for transition from a microstrip line to a slot line. According to the invention, the slot line (2) of the transition circuit is equipped with a filter (SBFs) for providing the slot line, in the zone where the microstrip line (1) and the slot line (2) cross over, with an impedance substantially equal to the impedance of an open circuit for at least one desired frequency of the signal and an impedance substantially equal to the impedance of a short-circuit for at least one undesirable frequency of the signal. Advantageously, the microstrip line is also equipped with a filter (SBFm) for providing the microstrip line, in the crossover zone, with an impedance substantially equal to the impedance of a short-circuit for the desired frequency and an impedance substantially equal to the impedance of an open circuit for the undesirable frequency.

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See references of WO 2013087509A1

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