

Title (en)

MICROSTRIP TECHNOLOGY HYPERFREQUENCY SIGNAL COUPLER

Title (de)

HYPERFREQUENZSIGNALKOPPLER MIT MIKROSTREIFENTECHNOLOGIE

Title (fr)

COUPLEUR DE SIGNAUX HYPERFREQUENCES EN TECHNOLOGIE MICRORUBAN

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Application

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Abstract (en)

[origin: WO2008141902A1] The invention relates to a power coupler for hyperfrequency signals. The mono-section coupler (1) with microstrip lines includes a dielectric substrate (3), a main line (10) and a secondary line (20) including a coupling section (23, 24, 25), the lines being arranged on the substrate (3), the main line (10) being substantially rectilinear and even along its entire length, the coupling section (23, 24, 25) including a protrusion (24, 25) at each end (23a, 23b) thereof, the protrusions (24, 25) being connected together by a conducting line portion (23) having a section, a shape and an arrangement adapted for minimising the coupling between said portion (23) and the main line (10) relative to the coupling between the protrusions (24, 25) and the main line (10). The invention also relates to the measure of the power of a signal passing through a transmission line.

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