Title (en)

POWER TRANSFORMER FOR RADIOFREQUENCY SIGNALS

Title (de)

LEISTUNGSWANDLER FÜR HOCHFREQUENZSIGNALE

Title (fr)

TRANSFORMATEUR DE PUISSANCE POUR SIGNAUX RADIOFREQUENCES

Publication

EP 2274753 B1 20170607 (FR)

Application

EP 09735922 A 20090414

Priority

- EP 2009054378 W 20090414
- FR 0802247 A 20080422

Abstract (en)

[origin: WO2009130139A1] The present invention relates to a power transformer for radiofrequency signals. The transformer is made in a low-cost multilayer printed circuit card (201) comprising at least successively the following stacked layers: a first conducting layer, a first dielectric substrate layer, a second conducting layer, a second dielectric substrate layer, and a third conducting layer, the primary winding being formed by a turn printed in the second conducting layer, the secondary winding (103) being formed by a first turn printed in the first conducting layer, this first turn being linked to a second turn printed in the third conducting layer, the turns of the secondary winding being placed opposite the turn of the primary, the card being clamped above and below by two plates of ferromagnetic material. Capacitive components connected between winding(s) and an exposed conductive part can improve the performance of the proposed transformer.

IPC 8 full level

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