

Title (en)

BALANCED RESISTOR HF RESISTOR WITH A PLANAR LAYER STRUCTURE

Title (de)

ABGEGLICHERER HF-WIDERSTAND MIT EINER PLANAREN SCHICHTSTRUKTUR

Title (fr)

RESISTANCE HF A VALEUR REGLEE AYANT UNE STRUCTURE EN COUCHES PLANE

Publication

**EP 1934992 B1 20090128 (DE)**

Application

**EP 06806115 A 20061009**

Priority

- EP 2006009736 W 20061009
- DE 202005015927 U 20051011

Abstract (en)

[origin: DE202005015927U1] The resistor has a film structure which has a resistive layer (10) on a substrate (16) for converting high frequency energy into heat, an input conductive track (12) for providing high frequency energy and an earth connection conductive track (14) for electrically connecting to an earth contact. In order to balance out the characteristic impedance to a given value, the resistive layer has at least one notch (28) which at least partly narrows the cross-section of the resistive layer and is spaced from the side surfaces. The input track is electrically connected to a first end of the resistive layer and the earth connection track is connected to the other end of the resistive layer. Between the first and second ends, the resistive layer is bounded by side surfaces (26) in a direction perpendicular to the direction of propagation of the energy and also in a direction perpendicular to a norm (24) of the planar structure.

IPC 8 full level

**H01C 17/24** (2006.01); **H01P 1/26** (2006.01)

CPC (source: EP NO US)

**H01P 1/26** (2013.01 - EP NO US); **H01P 1/268** (2013.01 - EP NO US)

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