

Title (en)

MULTI-LAYER PLANAR INDUCTANCE COIL AND A METHOD FOR PRODUCING THE SAME

Title (de)

MULTILAYER-PLANARINDUKTIVITÄT UND VERFAHREN ZUM HERSTELLEN EINER SOLCHEN

Title (fr)

BOBINE D'INDUCTANCE PLANAIRE MULTICOUCHE ET SON PROCEDE DE PRODUCTION

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Application

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Abstract (en)

[origin: WO9903117A1] The invention relates to a multi-layer planar inductance coil on a partial area of a first plate-shaped support (10). Said support has a plurality of first conducting layers (14), said conducting layers running essentially parallel to one another. The support is configured for supporting and contacting further electronic components. At least one conducting layer (14) of the first support is arranged in the device to interact with a core (24), said conducting layer forming a first electrical winding. Said core is provided for guiding a magnetic flux and is to be located in the partial area. At least one second plate-shaped support (20; 22; 44; 54) with a plurality of second conducting layers (16; 18) is located in the partial area, said conducting layers running essentially parallel to one another. The second support is arranged so that it is parallel to the first support (10) to the extent that at least one conducting layer (16) of said second support is able to interact inductively with the core (24) and the first electrical winding, said conducting layer (16) forming a second electrical winding.

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