

Title (en)

MICROCOIL ELEMENT, ARRAY TYPE MICROCOIL ELEMENT, AND DEVICE

Title (de)

MIKROSPULENELEMENT, ARRAY-MIKROSPULENELEMENT UND VORRICHTUNG

Title (fr)

ÉLÉMENT MICROBOBINE, ÉLÉMENT MICROBOBINE DE TYPE RÉSEAU ET DISPOSITIF

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Application

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Abstract (en)

The present invention relates to a micro-coil element, an array micro-coil element and a device, in which the micro-coil element comprising at least one wiring layer, wherein a plurality of micro-coil units are arranged on the wiring layer, and the micro-coil units each comprise a plurality of metal line segments which start from one starting point and coil around the starting point to form a plurality of circles of continuous wiring, and the metal line segments each end with one first electrode terminal and one second electrode terminal; and one electrode layer, provided with a first electrode area used for assembling the first electrode terminal and a second electrode area used for assembling the second electrode terminal of each of the plurality of metal line segments. According to the present invention, the current density is increased and the overall resistance is reduced in a parallel connection manner, so that the micro-coil element may have a stronger magnetic field function while with a small size.

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