

Abstract

Induction component

An element for forming an induction component contains a coil body with a core and two radially projecting flanges, which are formed on the respective axial ends of the core and of which the one flange is designed to be attached to a printed circuit board and is larger than the other flange. On its outer side, the coil body is surrounded by a shielding ring, which sits on the larger of the two flanges. To this end, the shielding ring has an inwardly directed step on the lower end corner, the one limb of which step forms an abutment surface to be placed on the inner side of the flange. The other limb forms an abutment surface to be placed against the outer edge of the flange. The step preferably runs over the entire circumference of the shielding ring. As a result, an air gap formed between the upper flange and the inner side of the shielding ring is fixed in terms of its dimensions and position.

Figure 5

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