

ABSTRACT

An inductor element is formed in a multiple layer lead structure including a lead, an insulative layer that insulates leads above and below, and a via provided in the insulative layer and connecting leads above and below wherein lead layers are multiply laminated
5 layers, characterized in that: at least a portion of at least a pair of vertically adjacent leads are coiled leads; the coiled leads are connected in series, wherein current directions of vertically adjacent coiled leads are the same by a via provided on an end portion thereof, and form a serial inductance; and an inter-lead capacitance of the vertically adjacent
coiled leads is larger than an inter-lead capacitance between other coiled leads formed in
10 the same lead layer.