FUSE ELEMENT

Abstract

A fuse element (10), in particular suited for use in electric and/or electronic circuits constructed by multilayer technology, including a printed circuit board substrate material (11), which is usable particularly in the multilayer technology and is coated with a metal or metal alloy (15), from which metal or metal alloy the fuse (12) is generated by means of photolithographic and/or printing image-producing techniques and ensuing etching or engraving processes, is proposed. The fuse (10) is distinguished in that the printed circuit board substrate material (11), on which the fuse (12) can be provided, comprises an at least high-temperature-stable, electrically insulating material, and at least its coefficient of thermal expansion varies essentially analogously to the coefficient of thermal expansion of the metal or metal alloy (15) from which the fuse (12) is made.

Fig. 1