

METHOD FOR MANUFACTURING SOLID ELECTROLYTIC CAPACITOR AND  
MACHINE FOR MANUFACTURING THE SAME

ABSTRACT

A hoop metal lead frame (1) having solid electrolytic capacitor elements (5) on its terminal sections (2) is provided with a crosspiece (3) bridging both sides in terms of the width direction disposed along the length direction in a region between the capacitor elements (5), one crosspiece for two capacitor elements (5). The metal lead frame (1) is placed on a molding die so that the region without having the crosspiece is locating at the sub runner (8), which has branched out from the main runner (7). The capacitor elements (5) are encapsulated with a molding resin injected through the sub runner (8). Since the molding resin is not covering the crosspiece (3), the main runner portion (7) and the sub runner portion (8) can be severed from the metal lead frame (1) without effecting unwanted stress on the solid electrolytic capacitors (10). The solid electrolytic capacitors (10) thus manufactured have a superior property in the tight hermetic sealing.

Fig. 3