



ABSTRACT



Solid Electrolytic Capacitor and Its Manufacturing Method

5 A disclosure is made on a solid electrolytic capacitor, which facilitates an assembly work with simple construction to lead to a reduction of cost, realises excellent equivalent series resistance characteristics and makes a thin configuration possible, and a manufacturing method thereof. With the solid electrolytic capacitor of the present invention, a cathode lead frame has
10 a connecting member to connect integrally with a cathode member of a capacitor element stack body on the side surface of a capacitor element extending in the thickness direction thereof. Capacitor elements, each provided with a through hole on an anode member, are stacked on top of each other in layers and connections between capacitor elements are achieved by
15 disposing an anode lead frame between layers. Accordingly, when a plurality of anode members are joined to the anode lead frame via a through hole provided on respective anode members of capacitor elements, stabilised welding work is allowed to be performed without any of molten aluminium foil to be released outside.

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Figure 1