

SOLID ELECTROLYTIC CAPACITOR
AND ITS MANUFACTURING METHOD



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ABSTRACT OF THE DISCLOSURE

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A solid electrolytic capacitor comprising: (A) a capacitor element comprising: an oxide layer 1 formed on a part of an outer surface of a valve metal anode body, a solid electrolyte layer 2 formed on the oxide layer, and a cathode conductor layer 3 formed on the solid electrolyte layer, and an anode lead out area on a remaining part of the anode body, (B) lead terminals connected to the cathode and the anode lead out area of the capacitor element, and (C) a packaging resin encapsulating the capacitor element with parts of the lead terminals exposed outside. The solid electrolytic capacitor of the present invention has a first separation strip 6 and a second separation strip 7 formed on a part of the roughened surface layer and also has insulating material 8 on the respective surfaces of the first and the second separation strips.

Figure 1a

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