

ABSTRACT OF THE DISCLOSURE

The anode member for a solid electrolytic capacitor according to the present invention comprises an anode body made of a valve metal foil having a purity of not less than 99 wt%, and an anode layer formed on the anode body and made of a sintered body of a valve metal powder. By limiting the amount of impurity contained in the valve metal foil to an amount of not more than 1 wt%, impurities in a dielectric oxide film formed by anodic oxidation, namely defects in the dielectric oxide film can be suppressed, so that the resultant solid electrolytic capacitor can have its leakage current lowered with its ESR (equivalent series resistance) being kept low, and that the electrolytic capacitor can be made to have a smaller size and a higher capacitance. The present invention also provides an electrolytic capacitor having a low leakage current, a low ESR, a small size and a high capacitance by using the above novel anode member as well as a method of making the same.



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