

ABSTRACT OF THE DISCLOSURE

SOLID ELECTROLYTIC CAPACITOR AND MANUFACTURING  
METHOD THEREOF

A solid electrolytic capacitor is fabricated by a series of steps of immersing the anode element into a water solution of electrically conductive polymer containing a hydrophilic group in the polymer structure and then drawing  
5 up and heating the same to form an electrically conductive polymer layer on the dielectric oxide cladding layer; and coating the electrically conductive polymer layer with a solution containing a monomer of a heterocyclic compound or its derivative, polymerizing the monomer in the solution to  
10 form a polymer layer, rinsing the anode element to remove residues deposited on the polymer layer, and drying the anode element to form a first solid electrolyte layer. Accordingly, its production is improved in efficiency and  
15 consistency, increasing the reliability.

Fig. 1