

■ Abstract ■



162162

● Title of the Invention



G00002

WIRE WOUND ELECTRONIC COMPONENT

The present invention is to provide a wire wound electronic component with stable quality, as well as raising reliability thereof by improving heat radiation, water-proofness, resistance against static electricity, resistance against stresses, magnetic characteristic thereof.

Powder of one or both of an inorganic material and a metallic material having higher thermal conductivity than a resin is added as a filler in the above resin, or a mixture of one or both of powders of the said inorganic material or the said metallic material and powders of a ferrite material for magnetic shielding is added as a filler in the above resin. When a sealing resin comprising a high thermal conductive material added thereto is used, heat generated inside a wire wound electronic component by passing a current through a coil conductor is effectively released outside the component, and the component can have a good heat radiation. Especially when the metallic powder is used as an additive, static electricity is prevented from being charged and generation of static electricity is also restrained.

Figure 5