

■ Abstract ■

● Title of the Invention

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.

This Sheet Has Been Replaced

