

ABSTRACT

One object of the present invention is to provide an electroconductive paste capable of forming an electroconductive film on a substrate having low heat resistance by light irradiation, having unlimited sintering conditions, excellent adhesion to a resin substrate, and capable of forming an electroconductive film having good electroconductivity, and the present invention provides an electroconductive paste wherein the electroconductive paste contains fine copper particles having an average particle diameter of 300 nm or less which is measured using SEM, coarse copper particles having an average particle diameter of 3 ~ 11 μm which is measured using SEM, a binder resin, and a dispersion medium, the fine copper particles includes a coating film containing cuprous oxide and copper carbonate on at least a part of the surface thereof, the ratio of the mass oxygen concentration to the specific surface area of the fine copper particles is 0.1 ~ 1.2 % by mass $\cdot\text{g}/\text{m}^2$, the ratio of the mass carbon concentration to the specific surface area of the fine copper particles is controlled to 0.008 ~ 0.3 % by mass $\cdot\text{g}/\text{m}^2$, and the amount of the binder resin is 2.5 ~ 6 parts by mass with respect to the total of 100 parts by mass of the fine copper particles and the coarse copper particles.