

ABSTRACT OF THE INVENTION
CONDUCTIVE PASTE COMPOSITIONS FOR
CHIP RESISTOR TERMINAL ELECTRODES

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To provide a conductor paste composition which is an electrically
conductive paste composition that uses silver-based conductor ingredients, yet is
able to form a chip resistor terminal electrode that has sufficient electrical
conductivity and adhesive strength, and in which all the properties, including
solder wettability and solder leach resistance, exist in a good balance.

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A conductor paste composition for chip resistor terminal electrodes
whereby, in an electrically conductive paste composition for chip resistor terminal
electrodes that includes a metal powder as the electrically conductive ingredient,
inorganic binders, conductive inorganic filler and a vehicle:
said metal powder serving as the electrically conductive ingredient includes silver
powder, palladium powder, a silver-palladium alloy powder, or a powder
mixture of at least two of these,

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said inorganic binders include a glass binder, and the conductive inorganic
filler includes binary oxides and/or pyrochlores
and/or borides of metals selected from the group consisting of
tin, iridium, rhodium, ruthenium and rhenium.

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FIGURE 1