

**Products Information**

**Features**

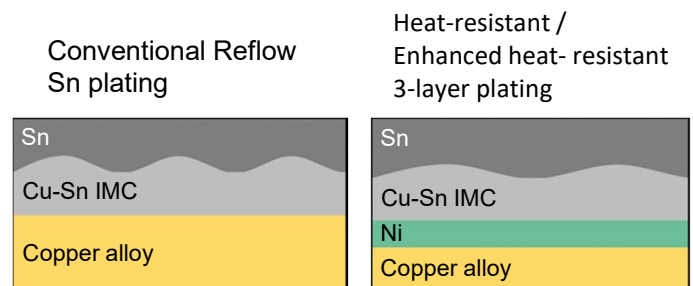
- Available for high temperature condition (Plating before stamping)
- Superior electrical connection reliability, because Tin (Sn) layer remains for a long time under high temperature condition
- Lower cost than precious metal plating

**Application examples**

- Terminals with high voltage in electric vehicle, Terminals and Bus bars required heat resistance under high temperature conditions, such as Engine compartment

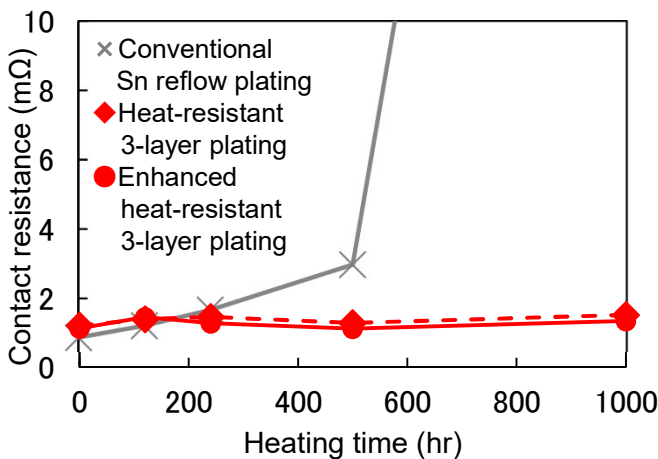
**Structure of plating**

- Nickel layer suppresses the excessive growth of Cu-Sn intermetallic compound (IMC) and improves heat resistance
- Two level of heat resistance depending on different thickness of Sn layer

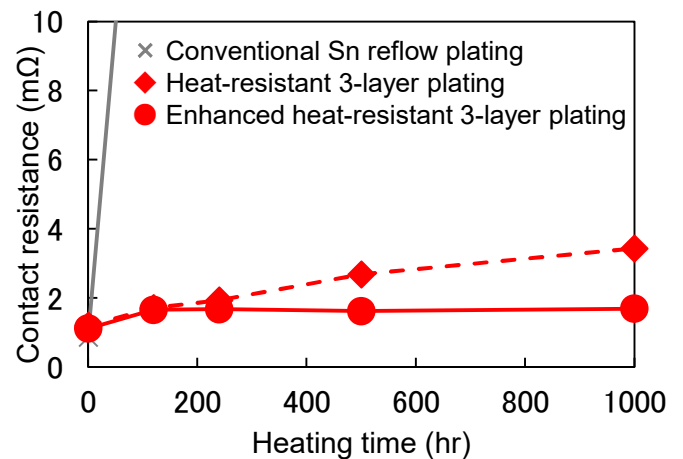


**Cross section of plating**

**Heat resistance**



Exposure temperature: 120°C



Exposure temperature: 150°C

- Applicable temperature for Heat-resistant / Enhanced heat-resistant 3-layer plating
  - Heat-resistant 3-layer plating : Up to 120°C
  - Enhanced heat-resistant 3-layer plating : Up to 150°C