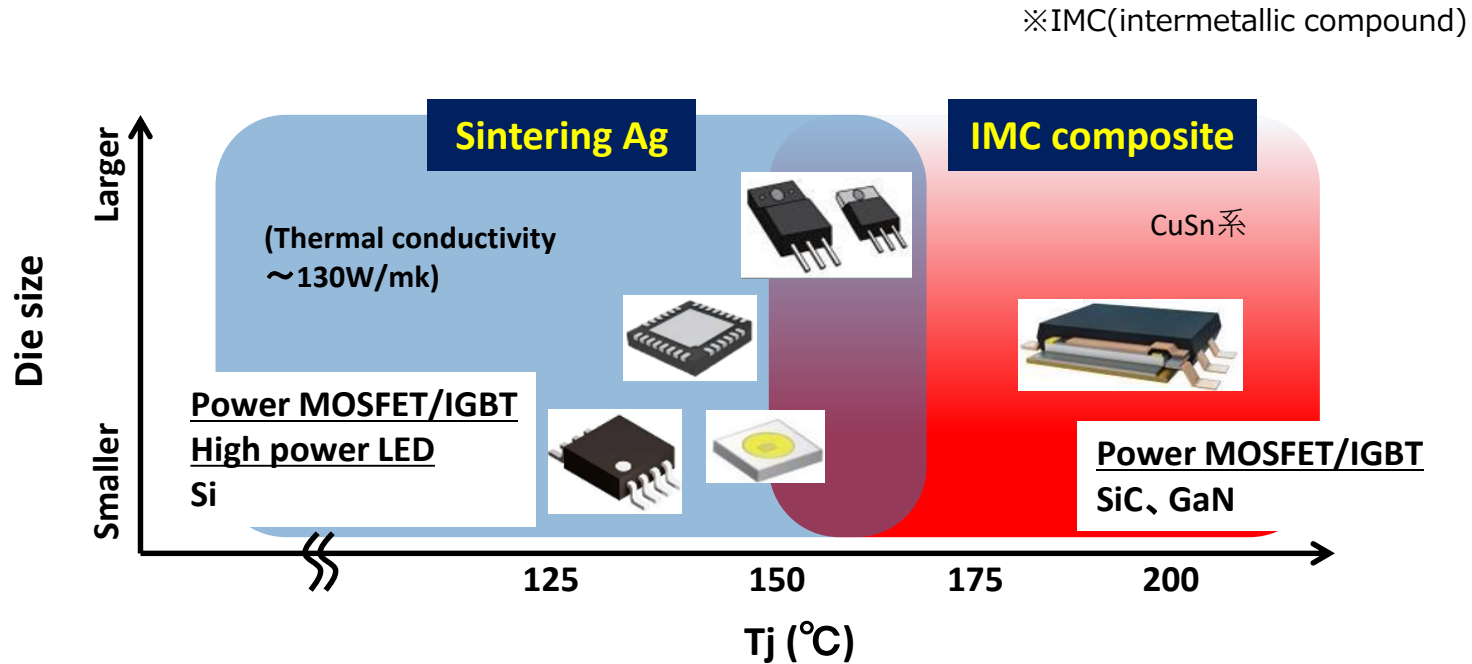


Paste for power semiconductor

■ Target

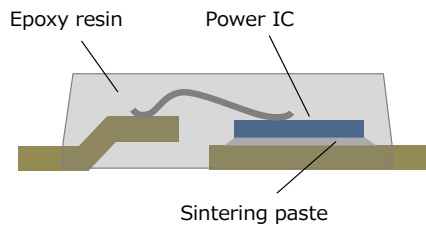


Package: TO-252, power QFN/DFN, SOP etc.
Application : Industry, Automotive, IPM modules, etc.

■ TCT results(Sintering Ag paste)

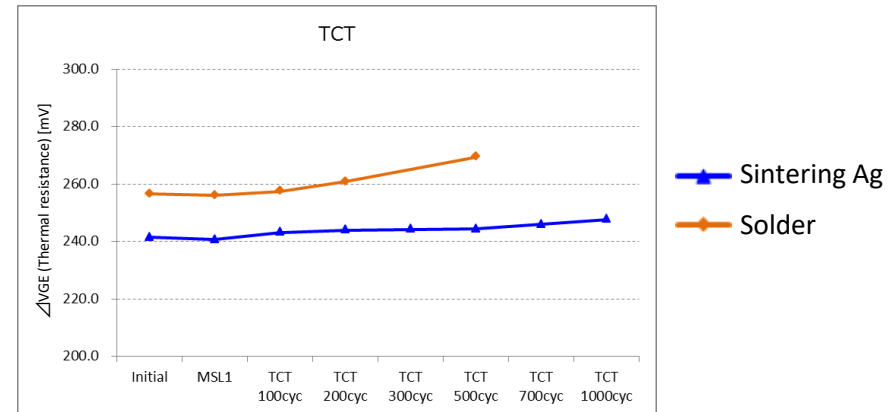
Test Package

- Package : TO-252-2
- Lead frame : Cu Frame/0.5mmt/PPF plated
- Chip : Si IGBT (Backside metal=Final Au)
- Chip size : 3.00×2.50×0.40mmt



Average change thermal resistance

TCT conditions : -65°C (15min.) ~150°C (15min.) n=30



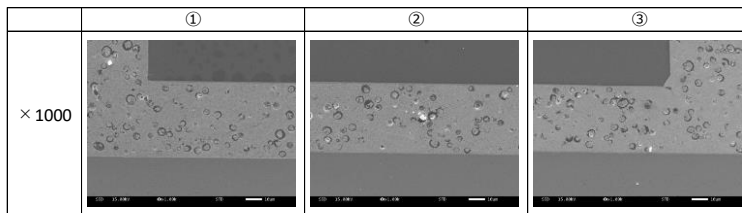
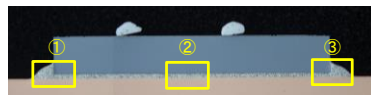
Average rate of change from initial to TCT 500cyc

Solder :5.0% Sintering Ag : 1.2%

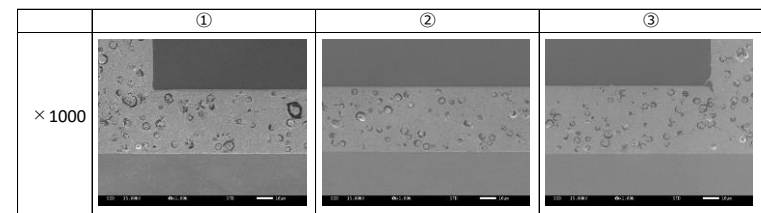
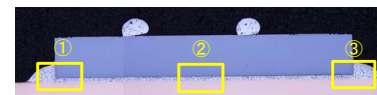
Sintering Ag has low initial thermal resistance, the rate of change in thermal resistance is smaller than Solder.

Cross section

Initial



After TCT 500cycle



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