Abstracts

Comparison Between Beryllium-Copper and Tungsten High Frequency Air Coplanar Probes (1995 Vol. III [MWSYM])

J.L. Carbonero, G. Morin and B. Cabon. "Comparison Between Beryllium-Copper and Tungsten High Frequency Air Coplanar Probes (1995 Vol. III [MWSYM])." 1995 MTT-S International Microwave Symposium Digest 95.3 (1995 Vol. III [MWSYM]): 1475-1478.

High frequency air coplanar probes using tungsten tips are now available for silicon wafer probing with aluminum pads. A comparative study of the beryllium-copper and tungsten behavior is presented in terms of contact resistance values, stability and reproducibility. Finally, tungsten is demonstrated to be the best material for breaking the aluminum oxide over the pad to enable accurate high frequency probing.

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