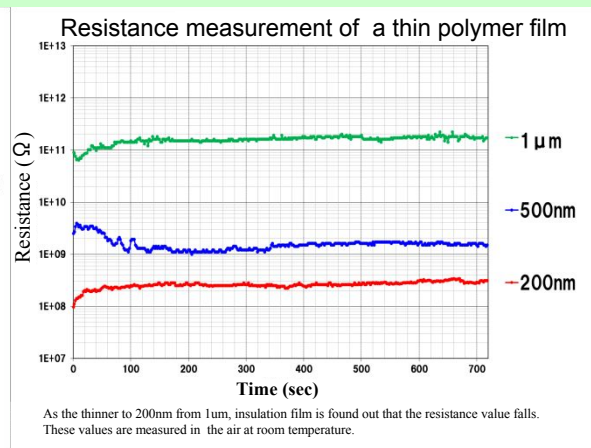
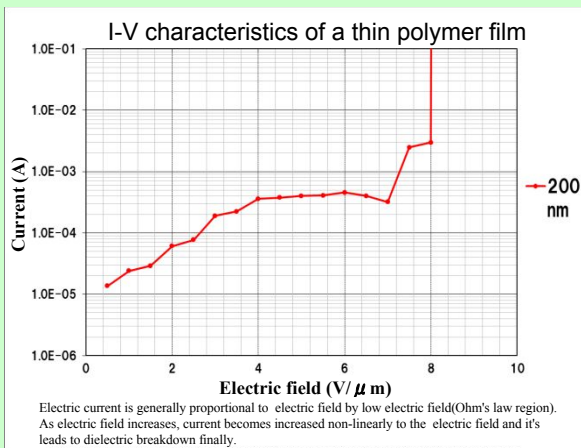
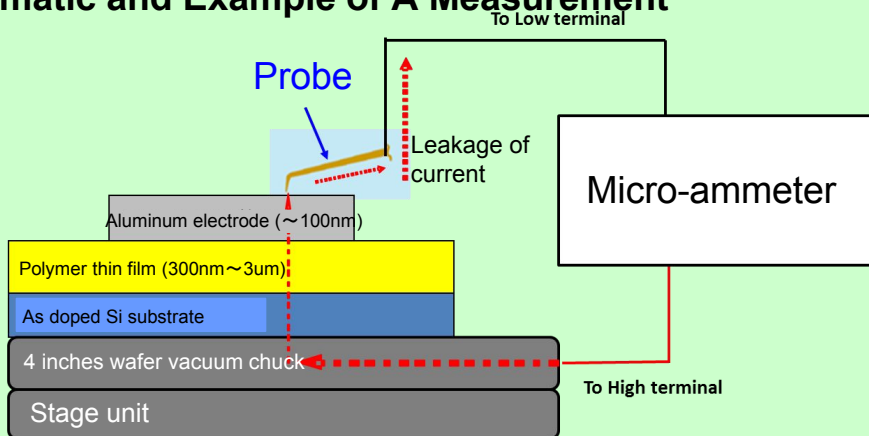


Evaluation of Electrical Characteristics of Thin Polymer Films

Summary

ANAC can measure Insulation Resistance of thin polymer films in a micro area by applying the probe. DC voltage is applied to a sample after contacting the micro part of a sample by probing under a microscope, then I-V characteristics, resistance and insulation breakdown voltage can be measured by detecting the fine current passing through a sample which is caused by DC voltage applied to a sample. (Example : Low current measurement and insulation breakdown voltage measurement of an organic insulation film)

Schematic and Example of A Measurement



Test Conditions

NOTE: A thin polymer film sample is required to be coated on a high conductive substrate (Example :As doped Si wafer).

Test piece size	2mm~4inchesφ	Thickness	About 200 nm~20 μm
Testing environment	23±2 °C/50±5%RH	Preparation (Electrode formation)	Aluminum vapor deposition Screen printing

ANAC can propose other conditions than the above according to customer's requests .

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