Constructing Method of an Ultra-sonic System of Thermosonic Bonding Installation Using the Ball–Wedge Technique

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Abstract: The paper proposes a method of constructing an ultrasonic system that determines the stability of thermosonic microwelding of gold wire with a diameter of 17.5–50 μm when assembling electronic products in metal-ceramic enclo-sures. A simulation of waveguide was conducted at the standard frequency of ultrasonic oscillations of 66 kHz and an increased fre-quency of 136 kHz

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