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... And an AC resistance of 2.62  $\Omega$  at 100 MHz, which represents the targeted switching frequency of the system-in-package integrated voltage regulator. The organic substrate parasitic effects were accounted for through the extraction of an average shunt capacitance of 1.2 pF and an average parasitic conductance of 0.12 mS at 100 MHz. 1th, 2024 Design, Fabrication, And Experimental Characterization Of ... Their High Operational Voltages And Small Volume Stroke Are Con-

sidered Disadvantages [3,4]. The Other Actuation Mechanisms Seem To Be Less Popular In Micropump Applications Due To Disadvantages Such As The Long Response Time In Shape Memory Alloys [5], T 2th, 2024.

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