

動作状態に依存したICのノイズ感受性特性の検討

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Study on the Electromagnetic Susceptibility Characteristics Depending on Operating Condition of IC

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Abstract

The receiving characteristics of electromagnetic interference on the power-ground line of an inverter IC—in other words, its electromagnetic susceptibility—was measured to investigate the dependence of susceptibility on the operating condition of electric and electronic equipment. It was confirmed that the receiving characteristics of the electromagnetic disturbance are different in the driving state of IC. The differences in the susceptibility at High and Low states were also obtained by simple circuit simulation.

Key Words: *Electromagnetic Susceptibility (Immunity), Operating Condition of IC, Crosstalk*