







## IRFD010, IRFD012 Devices

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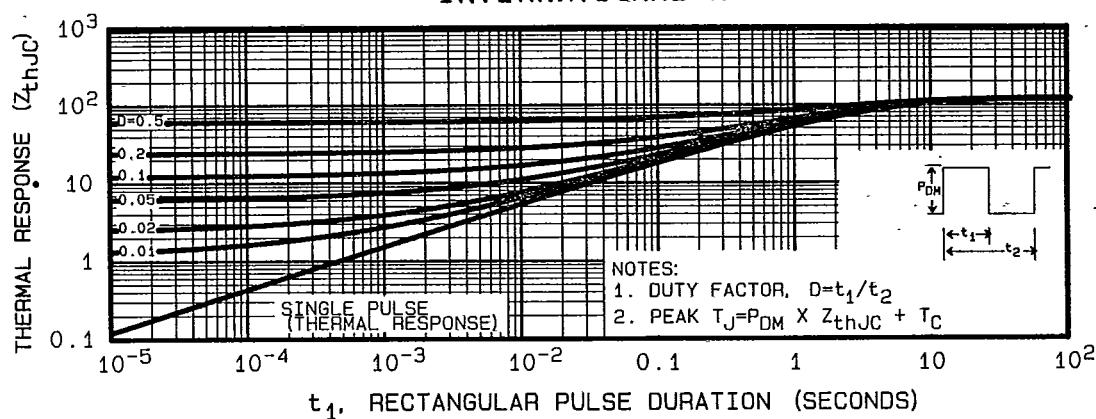


Fig. 5 — Maximum Effective Transient Thermal Impedance, Junction-to-Case Vs. Pulse Duration

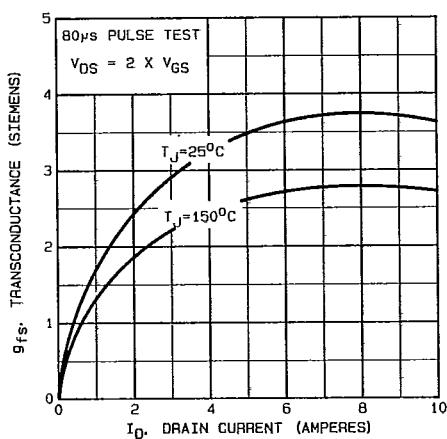


Fig. 6 — Typical Transconductance Vs. Drain Current

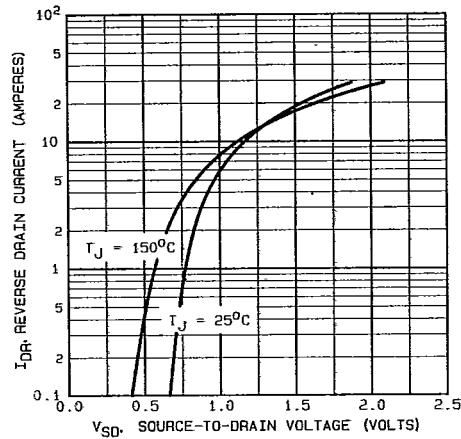


Fig. 7 — Typical Source-Drain Diode Forward Voltage

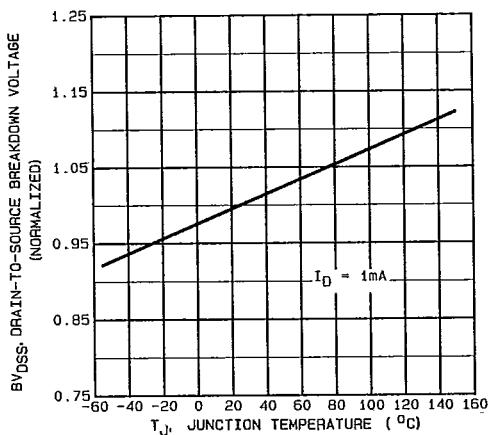


Fig. 8 — Breakdown Voltage Vs. Temperature

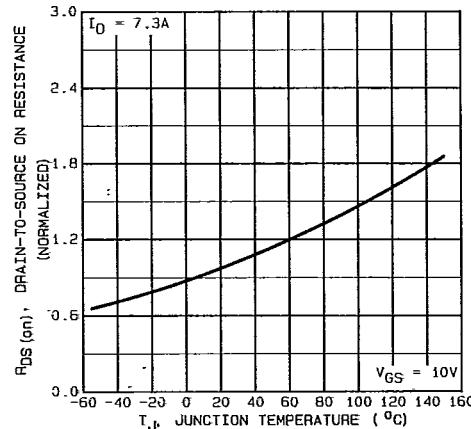
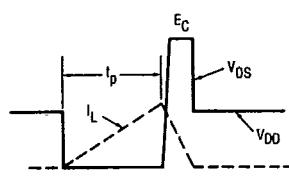
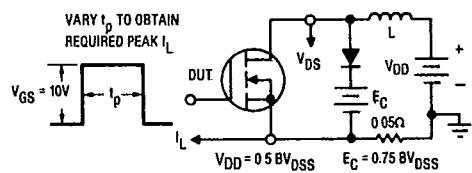
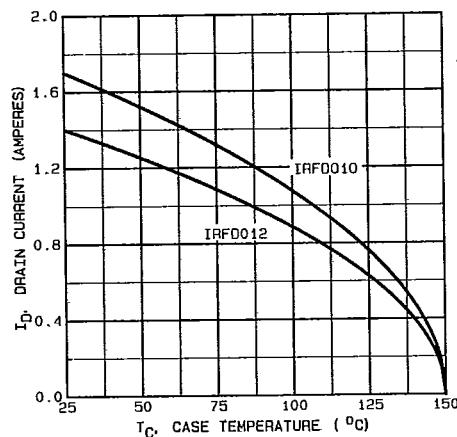
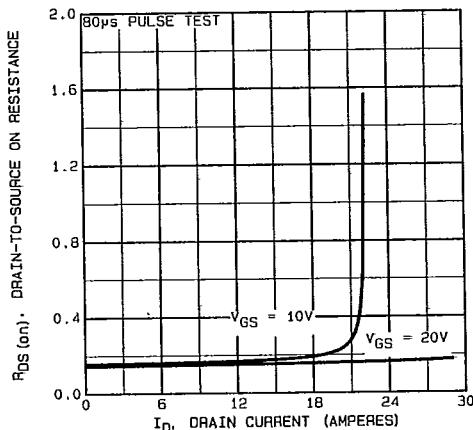
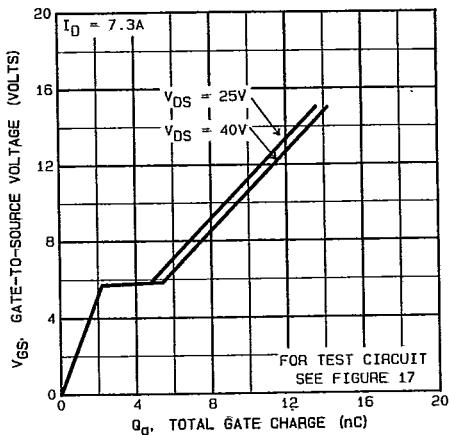
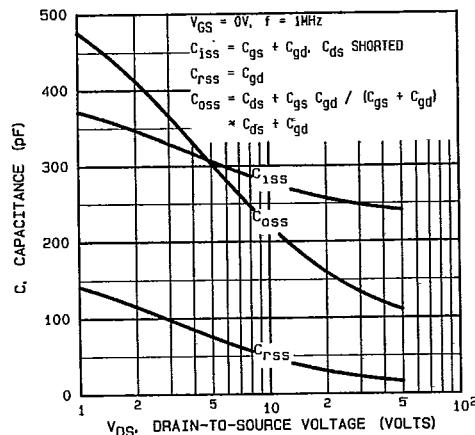


Fig. 9 — Normalized On-Resistance Vs. Temperature

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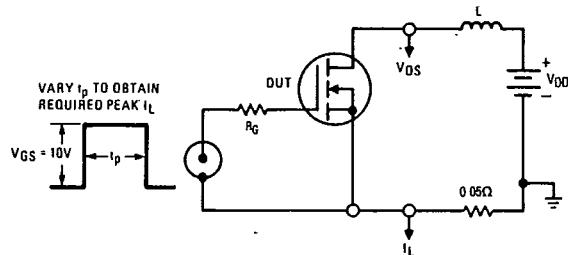


Fig. 15a — Unclamped Inductive Test Circuit

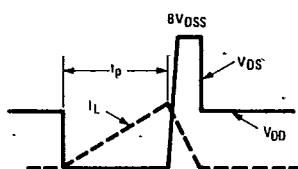


Fig. 15b. — Unclamped Inductive Load Test Waveforms

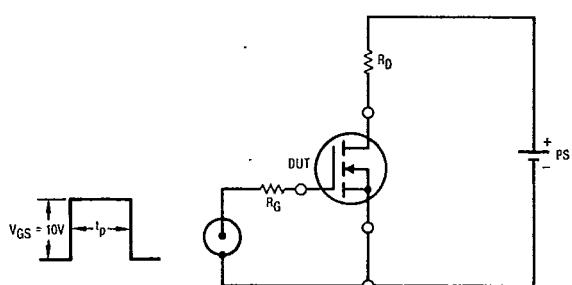


Fig. 16 — Switching Time Test Circuit

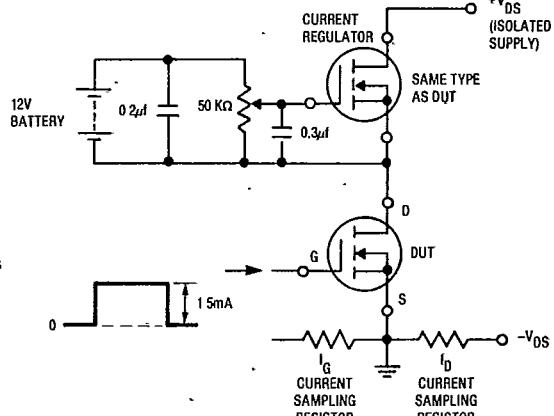
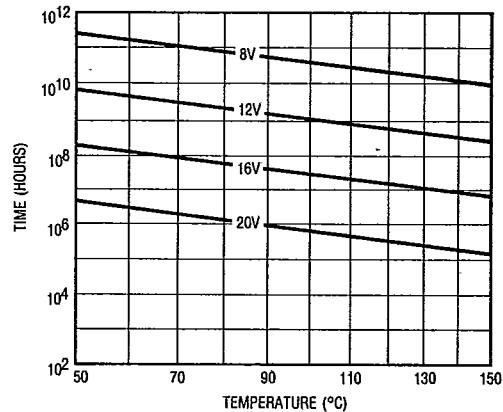
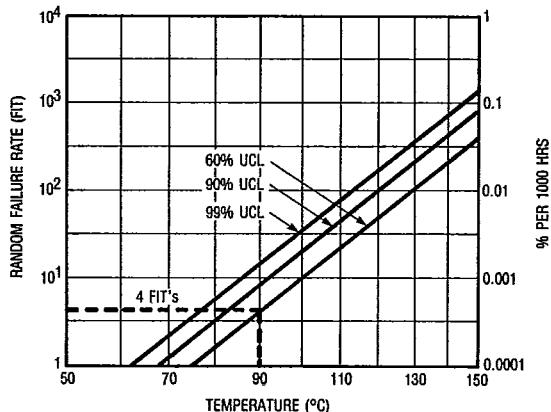


Fig. 17 — Gate Charge Test Circuit



\*Fig. 18 — Typical Time to Accumulated 1% Gate Failure

\*The data shown is correct as of April 15, 1987. This information is updated on a quarterly basis; for the latest reliability data, please contact your local IR field office.



\*Fig. 19 — Typical High Temperature Reverse Bias (HTRB) Failure Rate

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[>>Vishay\(威世\)](#)