



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Transistors

●Packaging specifications

Type	Package	Taping
	Code	T100
	Basic ordering unit (pieces)	1000
2SK3065		○

●Electrical characteristic curves

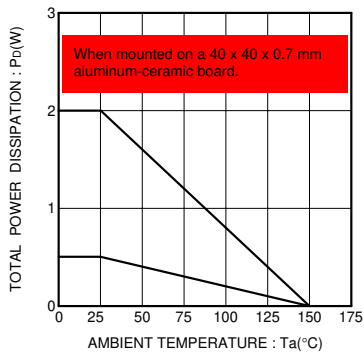


Fig.1 Total Power Dissipation vs. Case Temperature

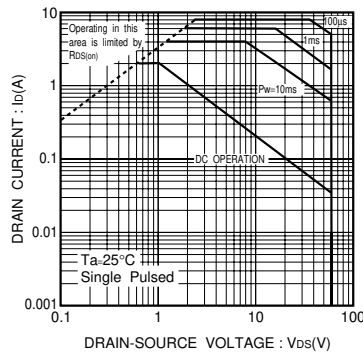


Fig.2 Maximum Safe Operating Area

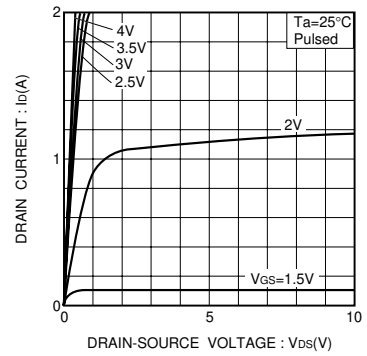


Fig.3 Typical Output Characteristics

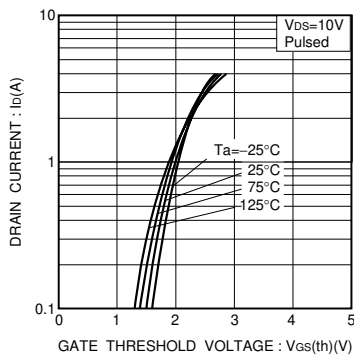


Fig.4 Typical Transfer Characteristics

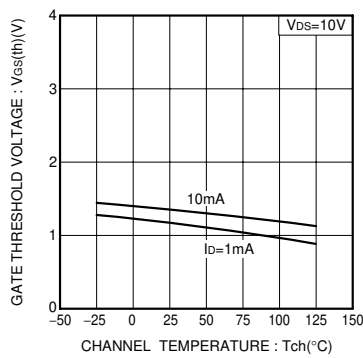


Fig.5 Gate Threshold Voltage vs. Channel Temperature

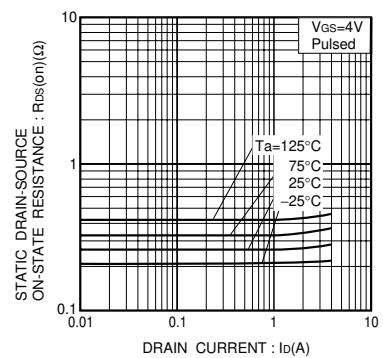


Fig.6 Static Drain-Source On-State Resistance vs. Drain Current(I)

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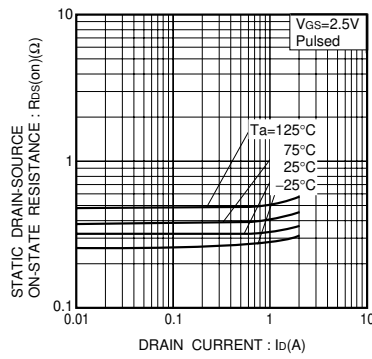


Fig. 7 Static Drain-Source On-State Resistance vs. Drain Current(I)

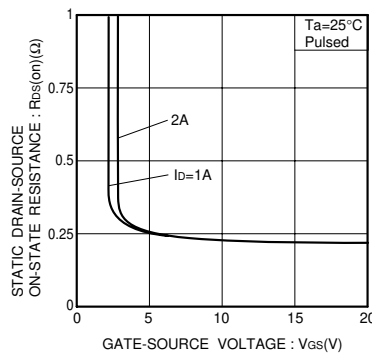


Fig. 8 Static Drain-Source On-State Resistance vs. Gate-Source Voltage

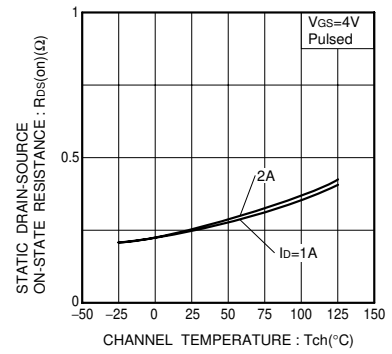


Fig. 9 Static Drain-Source On-State Resistance vs. Channel Temperature

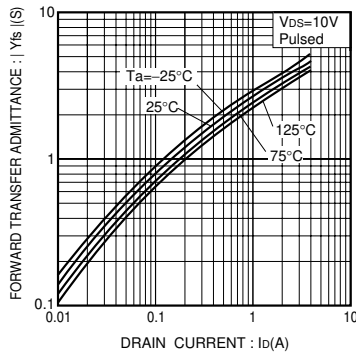


Fig. 10 Forward Transfer Admittance vs. Drain Current

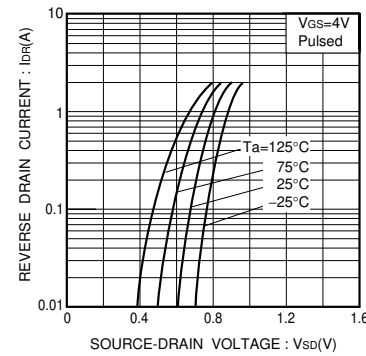


Fig. 11 Reverse Drain Current vs. Source-Drain Voltage(I)

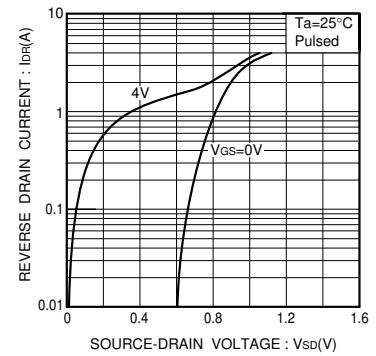


Fig. 12 Reverse Drain Current vs. Source-Drain Voltage(II)

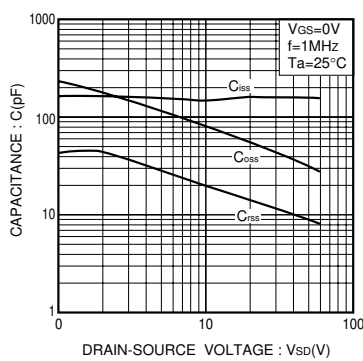


Fig. 13 Typical Capacitance vs. Drain-Source Voltage

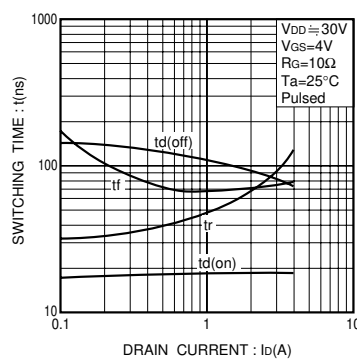


Fig. 14 Switching Characteristics
(a measurement circuit diagram Fig.17, it refers 18 times)

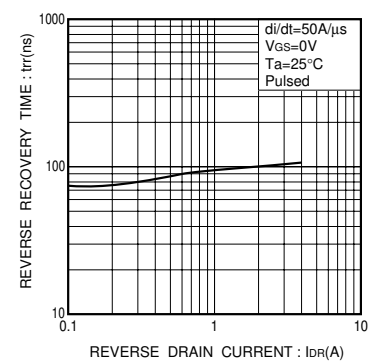


Fig. 15 Reverse Recovery Time vs. Reverse Drain Current

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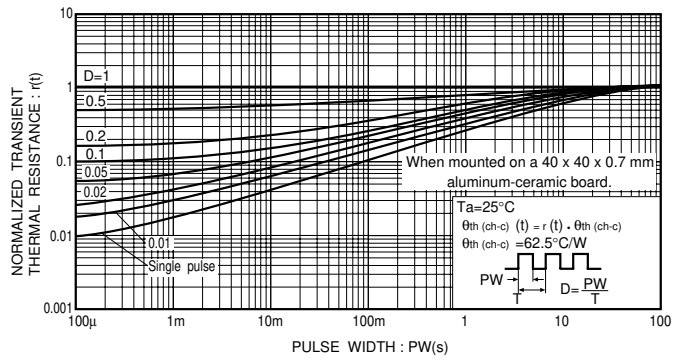


Fig.16 Normalized Transient Thermal Resistance vs. Pulse Width

● Switching characteristics measurement circuit

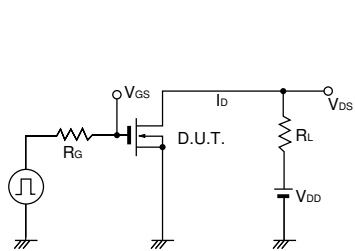


Fig.17 Switching Time Test Circuit

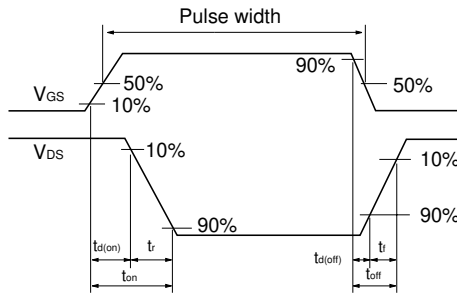


Fig.18 Switching Time Waveforms