



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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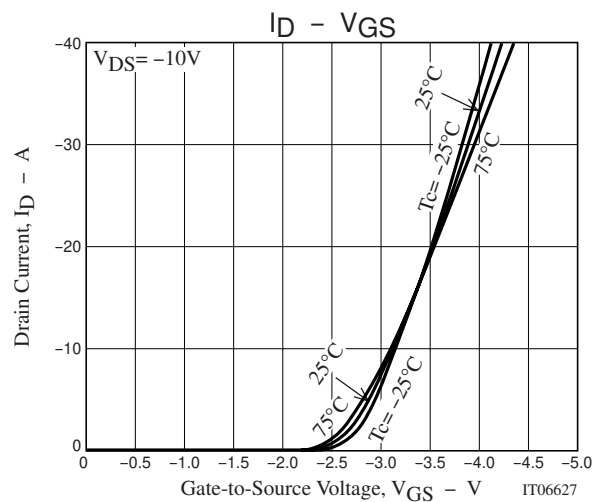
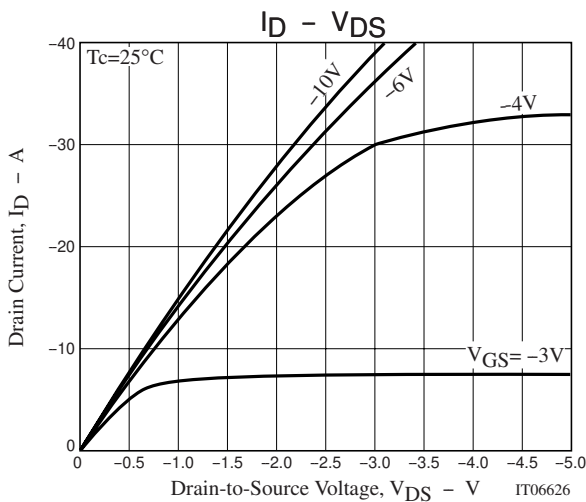
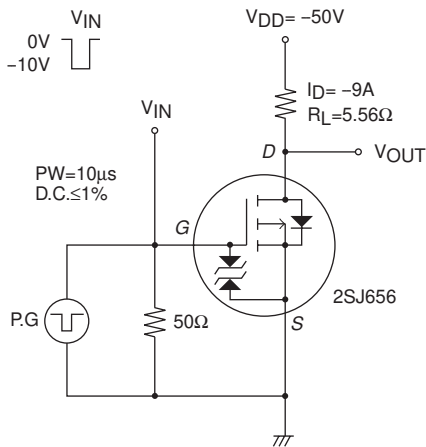


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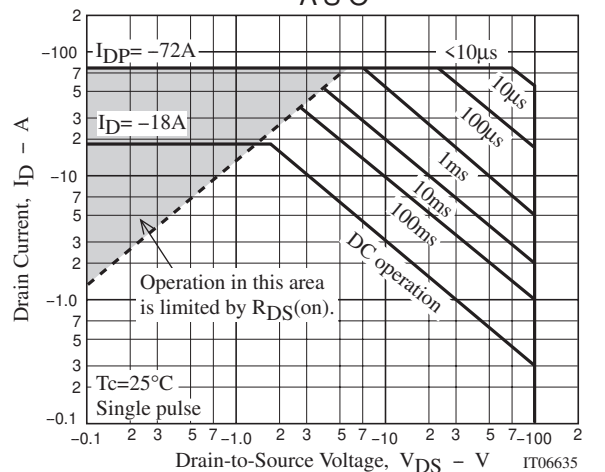
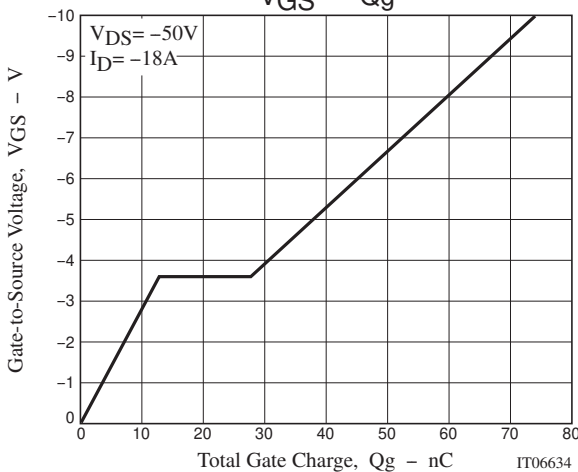
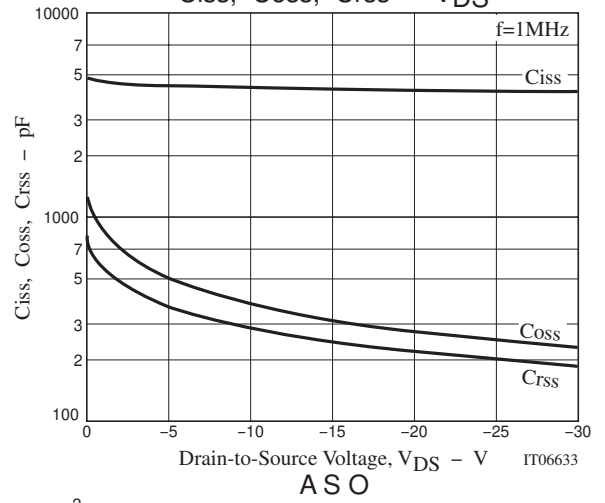
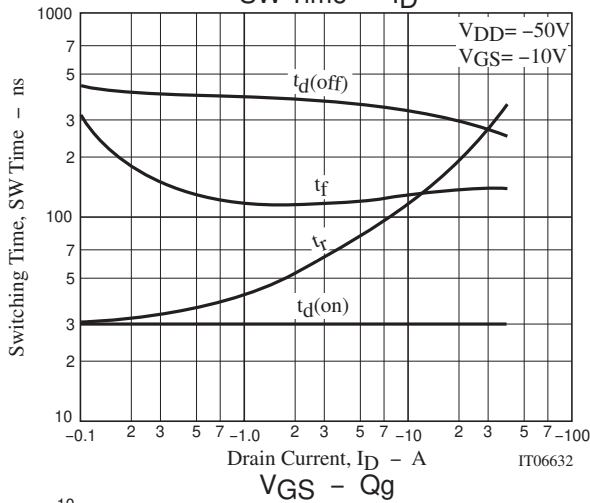
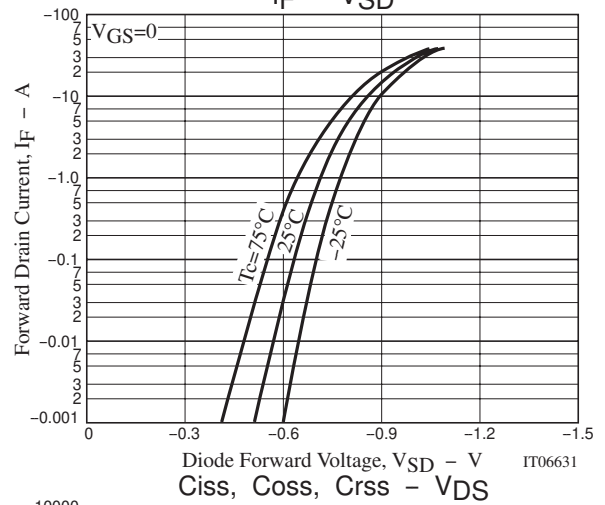
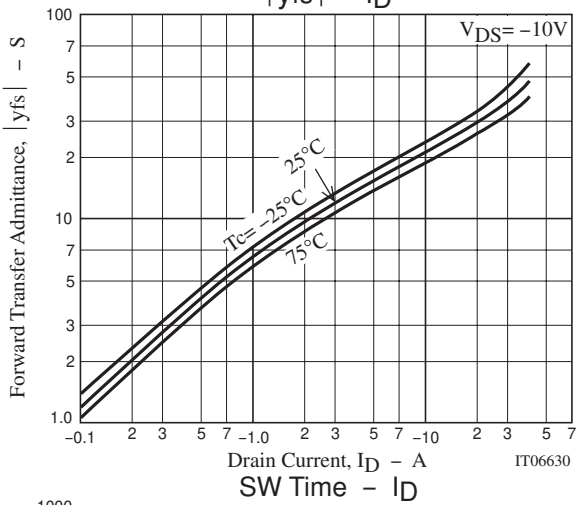
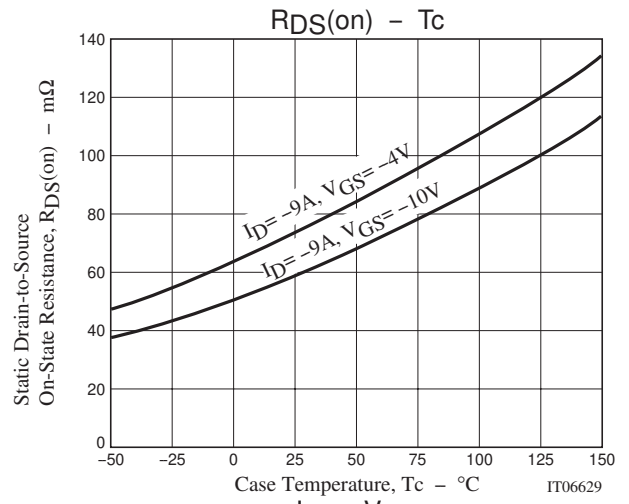
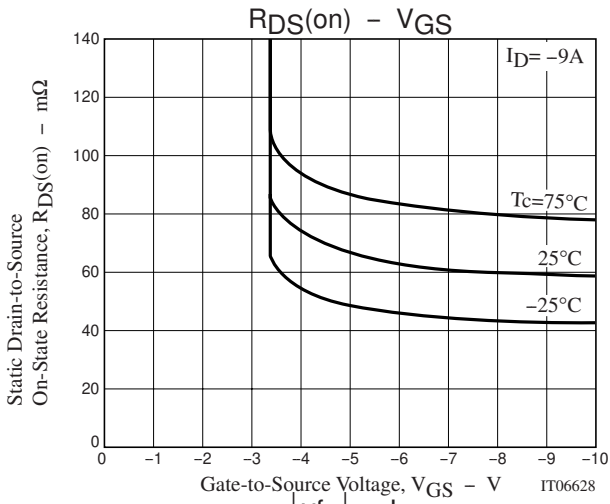
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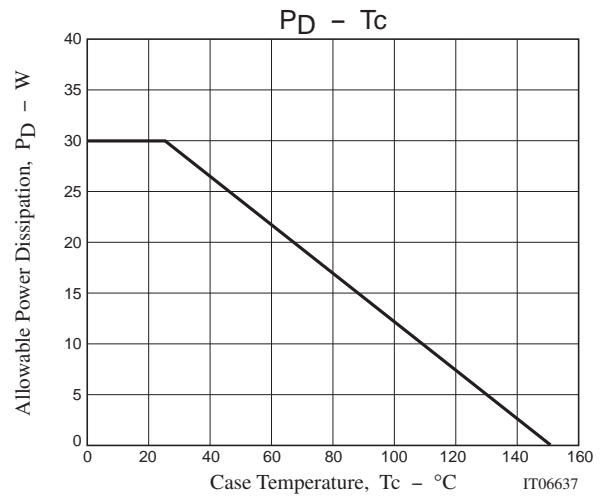
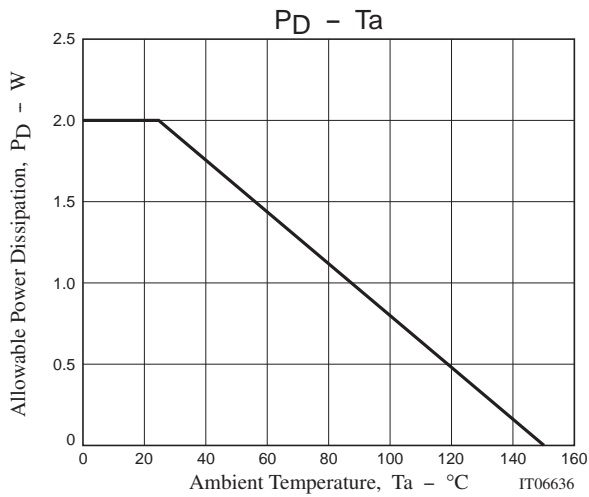
Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	
Static Drain-to-Source On-State Resistance	$R_{DS(on)1}$	$I_D = -9A, V_{GS} = -10V$		58	75.5	m $\Omega$
	$R_{DS(on)2}$	$I_D = -9A, V_{GS} = -4V$		74	104	m $\Omega$
Input Capacitance	$C_{iss}$	$V_{DS} = -20V, f = 1MHz$		4200		pF
Output Capacitance	$C_{oss}$	$V_{DS} = -20V, f = 1MHz$		280		pF
Reverse Transfer Capacitance	$C_{rss}$	$V_{DS} = -20V, f = 1MHz$		220		pF
Turn-ON Delay Time	$t_d(on)$	See specified Test Circuit.		30		ns
Rise Time	$t_r$	See specified Test Circuit.		110		ns
Turn-OFF Delay Time	$t_d(off)$	See specified Test Circuit.		340		ns
Fall Time	$t_f$	See specified Test Circuit.		128		ns
Total Gate Charge	$Q_g$	$V_{DS} = -50V, V_{GS} = -10V, I_D = -18A$		74		nC
Gate-to-Source Charge	$Q_{gs}$	$V_{DS} = -50V, V_{GS} = -10V, I_D = -18A$		12.8		nC
Gate-to-Drain "Miller" Charge	$Q_{gd}$	$V_{DS} = -50V, V_{GS} = -10V, I_D = -18A$		14.7		nC
Diode Forward Voltage	$V_{SD}$	$I_S = -18A, V_{GS} = 0$		-0.93	-1.2	V

## Switching Time Test Circuit



# 2SJ656





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