



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!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



2SJ0536

Silicon P-channel MOSFET

Secondary battery packs (Li ion battery, etc.)
For switching circuits

■ Features

- High-speed switching
- S-mini type package, allowing downsizing of the sets and automatic insertion through the tape/magazine packing
- Low voltage drive (V_{th} : -1.0 V to 2.0 V)
- Low ON resistance

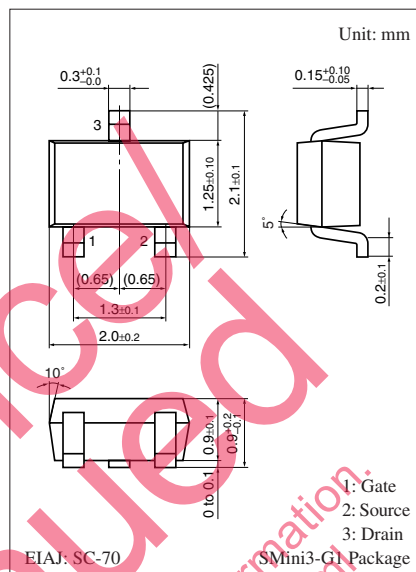
■ Absolute Maximum Ratings $T_a = 25^\circ\text{C}$

Parameter	Symbol	Rating	Unit
Drain-source surrender voltage	V_{DSS}	-30	V
Gate-source voltage (Drain open)	V_{GSO}	± 20	V
Drain current	I_D	-100	mA
Peak drain current	I_{DP}	-200	mA
Power dissipation	P_D	150	mW
Channel temperature	T_{ch}	150	$^\circ\text{C}$
Storage temperature	T_{ste}	-55 to $+150$	$^\circ\text{C}$

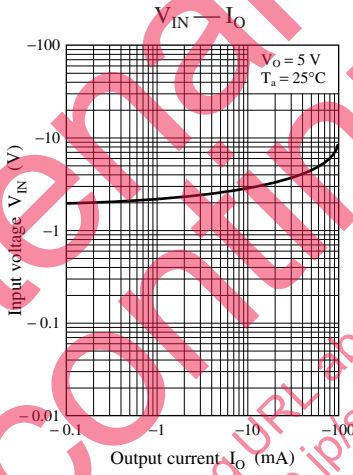
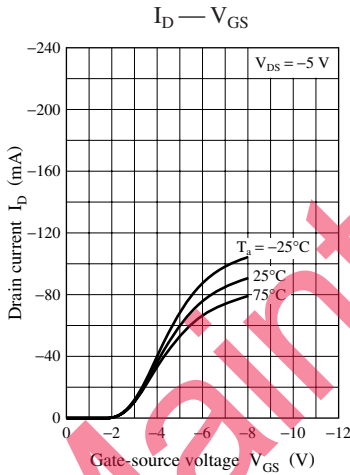
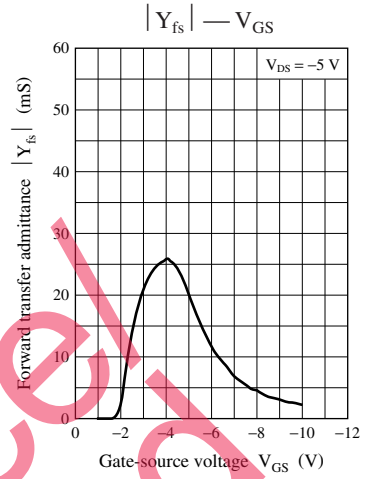
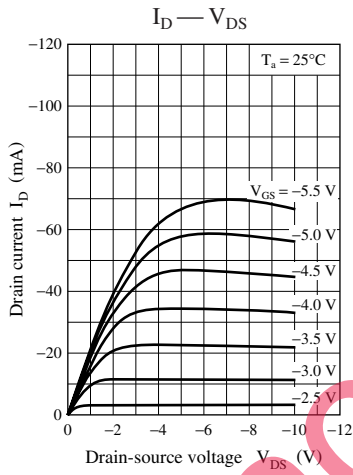
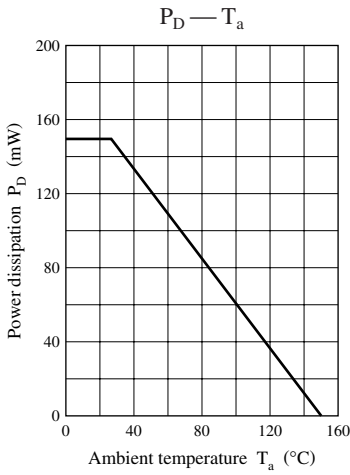
■ Electrical Characteristics $T_a = 25^\circ\text{C} \pm 3^\circ\text{C}$

Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Drain-source cutoff current	I_{DSS}	$V_{DS} = -30$ V, $V_{GS} = 0$			-0.1	μA
Gate-source cutoff current	I_{GSS}	$V_{GS} = \pm 20$ V, $V_{DS} = 0$			± 1.0	μA
Gate threshold voltage	V_{th}	$V_{DS} = -5$ V, $I_D = -1$ μA	-1.0		-2.0	V
Forward transfer admittance	$ Y_{fs} $	$V_{DS} = -5$ V, $I_D = -10$ mA	8			mS
Drain-source ON resistance	$R_{DS(on)}$	$V_{GS} = -5$ V, $I_D = -10$ mA		50	75	Ω
Turn-on time	t_{on}	$V_{DD} = -5$ V, $V_{GS} = 0$ V ~ -5 V $R_L = 200$ Ω		100		μs
Turn-off time	t_{off}	$V_{DD} = -5$ V, $V_{GS} = -5$ V ~ 0 V $R_L = 200$ Ω		25		μs

Note) 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7030 measuring methods for transistors.
2. Observe precautions for handling. Electrostatic sensitive devices.



Marking Symbol: 2C



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