2SK3064

Silicon N-channel MOSFET

For switching circuit

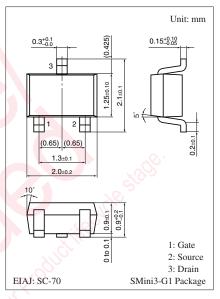
For rechargeable buttery pack (Li⁺ ion buttery, etc.)

Features

- \bullet High gate-source voltage (Drain open) V_{GSO}
- \bullet Low gate threshold voltage V_{th}

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Parameter	Symbol	Rating	Unit
Drain-source surrender voltage	V _{DSS}	30	V
Gate-source voltage (Drain open)	V _{GSO}	±20	V
Drain current	ID	100	mA
Peak drain current	I _{DP}	200	mA
Power dissipation	P _D	150	mW
Channel temperature	T _{ch}	150	°C
Storage temperature	T _{stg}	-55 to +150	°C





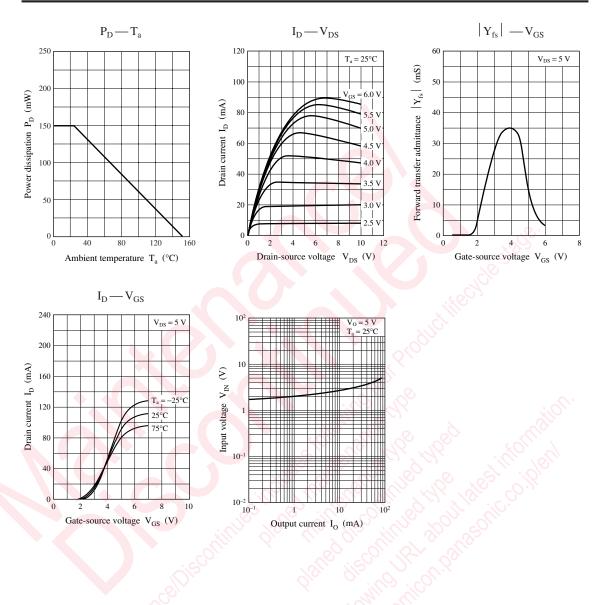
Marking symbol: 2D

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

Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Drain-source cutoff current	I _{DSS}	$V_{DS} = 30 V, V_{GS} = 0 V$	J.	il.	0.1	μΑ
Gate-source cutoff current	I _{GSS}	$V_{GS} = \pm 20 V, V_{DS} = 0 V$	p a	S	±1.0	μΑ
Gate threshold voltage	V _{th}	$V_{DS} = 5 \text{ V}, I_D = 1 \mu \text{A}$	1.0	0	2.0	V
Forward transfer admittance	Y _{fs}	$V_{DS} = 5 \text{ V}, I_D = 10 \text{ mA}$	15			mS
ON resistance	R _{on}	$V_{GS} = 5 \text{ V}, I_D = 10 \text{ mA}$		30	50	Ω
Turn-on time	t _{on}	$V_{DD} = 5 V, V_{GS} = 0 V \text{ to } 5 V$		150		ns
		$R_L = 200 \Omega$				
Turn-off time	t _{off}	$V_{DD} = 5 V, V_{GS} = 5 V to 0 V$		35		ns
		$R_L = 200 \Omega$				

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.

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