

# 2SJ0364 (2SJ364)

## Silicon P-Channel Junction FET

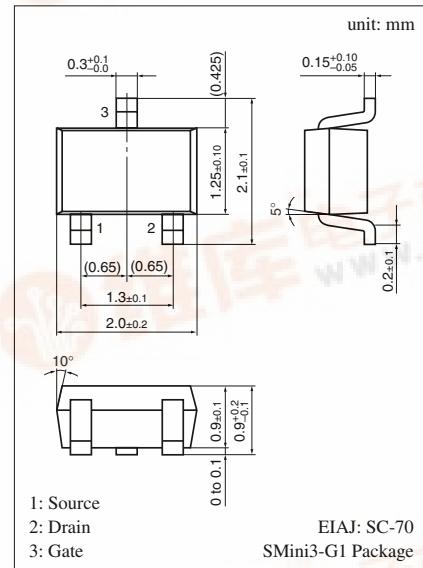
For analog switch

### ■ Features

- Low ON-resistance
- Low-noise characteristics

### ■ Absolute Maximum Ratings (Ta = 25°C)

Parameter	Symbol	Ratings	Unit
Gate to Drain voltage	V <sub>GDS</sub>	65	V
Drain current	I <sub>D</sub>	-20	mA
Gate current	I <sub>G</sub>	-10	mA
Allowable power dissipation	P <sub>D</sub>	150	mW
Channel temperature	T <sub>ch</sub>	150	°C
Storage temperature	T <sub>stg</sub>	-55 to +150	°C



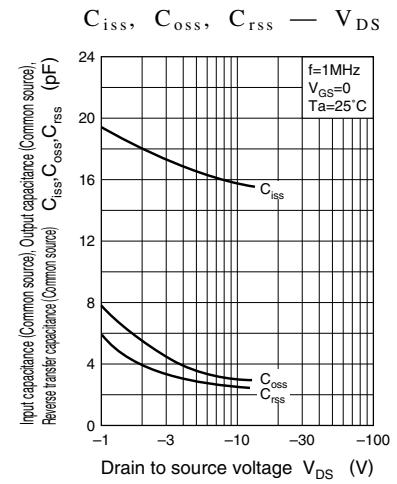
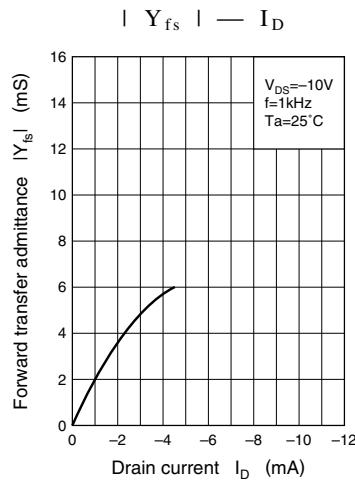
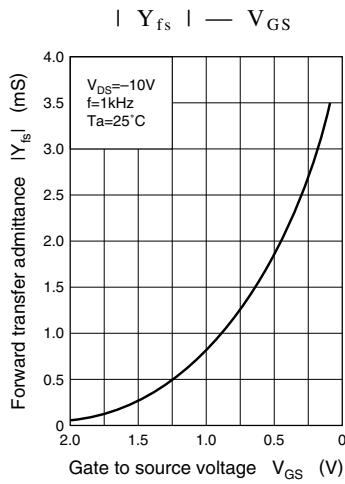
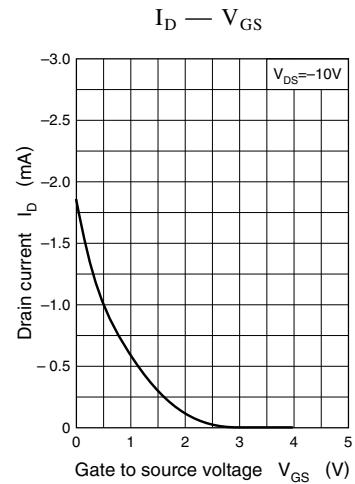
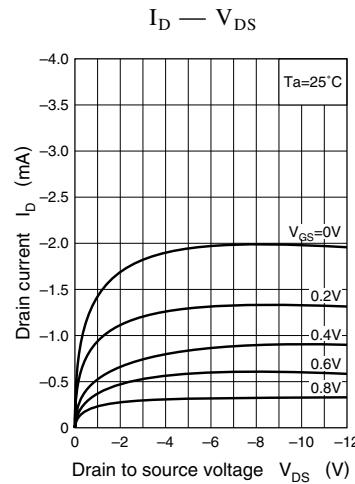
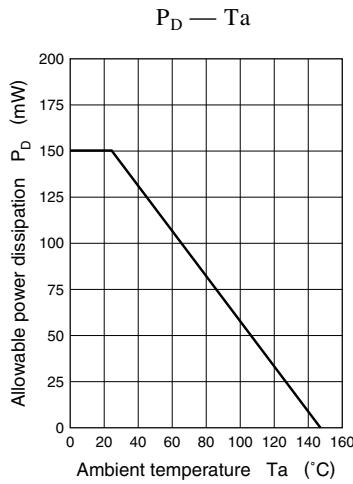
Marking Symbol (Example): 4M

### ■ Electrical Characteristics (Ta = 25°C)

Parameter	Symbol	Conditions	min	typ	max	Unit
Drain to Source cut-off current	I <sub>DSS</sub> *	V <sub>DS</sub> = -10V, V <sub>GS</sub> = 0	-0.2		-6	mA
Gate to Source leakage current	I <sub>GSS</sub>	V <sub>GS</sub> = 30V, V <sub>DS</sub> = 0			10	nA
Gate to Drain voltage	V <sub>GDS</sub>	I <sub>G</sub> = 10μA, V <sub>DS</sub> = 0	65			V
Gate to Source cut-off voltage	V <sub>GSC</sub>	V <sub>DS</sub> = -10V, I <sub>D</sub> = -10μA		1.5	3.5	V
Forward transfer admittance	Y <sub>fs</sub>	V <sub>DS</sub> = -10V, I <sub>D</sub> = -1mA, f = 1kHz	1.8	2.5		mS
Drain to Source ON-resistance	R <sub>DS(on)</sub>	V <sub>DS</sub> = -10mV, V <sub>GS</sub> = 0		300		Ω
Input capacitance (Common Source)	C <sub>iss</sub>	V <sub>DS</sub> = -10V, V <sub>GS</sub> = 0, f = 1MHz		12		pF
Reverse transfer capacitance (Common Source)	C <sub>rss</sub>			4		pF

\* I<sub>DSS</sub> rank classification

Runk	O	P	Q	R
I <sub>DSS</sub> (mA)	-0.2 to -1	-0.6 to -1.5	-1 to -3	-2.5 to -6
Marking Symbol	4MO	4MP	4MQ	4MR



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