2SJ0364 (2SJ364)

Silicon P-channel junction FET

For analog switch circuits

Features

- Low ON resistance
- Low-noise characteristics

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

Parameter	Symbol	Rating	Unit	
Gate-drain surrender voltage	V _{GDS}	65	v	
Drain current	ID	-20	mA	
Gate current	I _G	-10	mA	
Power dissipation	P _D	150	mW	
Channel temperature	T _{ch}	150	°C	
Storage temperature	T _{stg}	-55 to +150	°C	



- 2: Drain
- 3: Gate
- Marking Symbol: 4M

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

Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Gate-drain surrender voltage	V _{GDS}	$I_{\rm G} = 10 \ \mu A, \ V_{\rm DS} = 0$	65	SOL		V
Drain-source current *	I _{DSS}	$V_{DS} = -10 V, V_{GS} = 0$	- 0.6	0	-6.0	mA
Gate-source cutoff current	I _{GSS}	$V_{GS} = 30 V, V_{DS} = 0$	$\sim 2^{\circ}$		10	nA
Gate-source cutoff voltage	V _{GSC}	$V_{DS} = -10 \text{ V}, I_D = -10 \mu \text{A}$		1.5	3.5	V
Forward transfer admittance	Y _{fs}	$V_{DS} = -10 \text{ V}, I_D = -1 \text{ mA}, f = 1 \text{ kHz}$	1.8	2.5		mS
Short-circuit forward transfer capacitance (Common source)	C _{iss}	$V_{DS} = -10 \text{ V}, V_{GS} = 0, f = 1 \text{ MHz}$		12		pF
Reverse transfer capacitance (Common source)	C _{rss}	se no ilm		4		pF
Drain-source ON resistance	R _{DS(on)}	$V_{\rm DS} = -10 \ {\rm mV}, \ V_{\rm GS} = 0$		300		Ω

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.

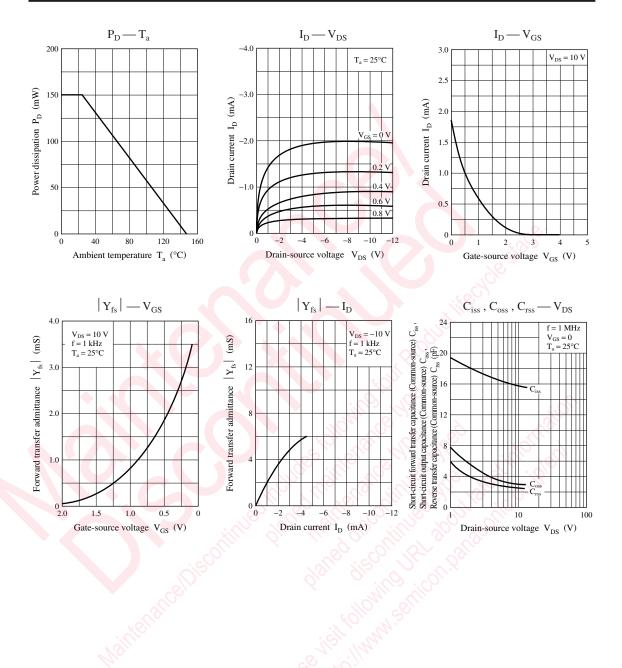
3. *: Rank classification

Rank	Р	Q	R
I _{DSS} (mA)	- 0.6 to -1.5	-1.0 to -3.0	-2.5 to -6.0

Note) The part number in the parenthesis shows conventional part number.

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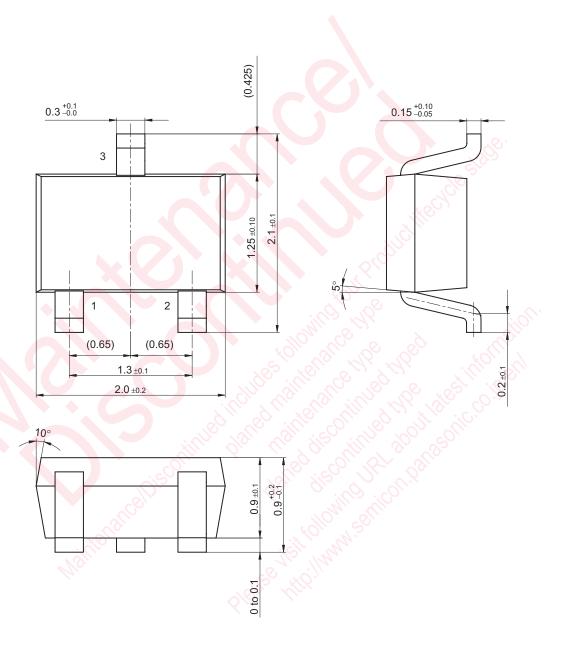
Panasonic



Panasonic

SMini3-G1

Unit: mm



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