2SJ0674G

Silicon P-channel MOS FET

For switching circuits

Features

- Low ON resistance Ron
- High-speed switching
- SSSMini type package, allowing downsizing of the equipment and automatic insertion through the tape packing
- Package
 Code SSSMini3-F2
 Pin Name
 1: Gate
 2: Source
 3: Drain

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

Parameter	Symbol	Rating	Unit	
Drain-source surrender voltage	V _{DSS}	-30	V	
Gate-source surrender voltage	V _{GSS}	±12	V	
Drain current	ID	-100	mA	
Peak drain current	I _{DP}	-200	mA	
Power dissipation	P _D	100	mW	
Channel temperature	T _{ch}	125	°C	
Storage temperature	T _{stg}	-55 to +125	°C	

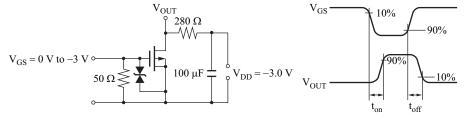
Marking Symbol: 5U

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

Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Drain-source surrender voltage	V _{DSS}	$I_{\rm D} = -10 \mu {\rm A}, V_{\rm GS} = 0$	-30	S. N	0/0	V
Drain-source cutoff current	I _{DSS}	$V_{\rm DS} = -20$ V, $V_{\rm GS} = 0$	8.13	0, 2	-1.0	μΑ
Gate-source cutoff current	I _{GSS}	$V_{GS} = \pm 10 \text{ V}, V_{DS} = 0$	ON C	Nº.	±10	μΑ
Gate threshold voltage	V _{TH}	$I_D = -1.0 \ \mu A, V_{DS} = -3.0 \ V$	- 0.5	-1.0	-1.5	V
Drain-source ON resistance	- CO	$I_D = -10 \text{ mA}, V_{GS} = -2.5 \text{ V}$	Q.	13	30	Ω
	R _{DS(on)}	$I_D = -10 \text{ mA}, V_{GS} = -4.0 \text{ V}$	· · ·	9	18	
Forward transfer admittance	Y _{fs}	$I_D = -10 \text{ mA}, V_{DS} = -3 \text{ V}, f = 1 \text{ kHz}$	20	40		mS
Short-circuit input capacitance (Common source)	C _{iss}	ist unw		12		pF
Short-circuit output capacitance (Common source)	C _{oss}	$V_{\rm DS} = -3$ V, $V_{\rm GS} = 0$, f = 1 MHz		13		pF
Reverse transfer capacitance (Common source)	C _{rss}			7		pF
Turn-on time *	t _{on}	$V_{DD} = -3 V_{,} V_{GS} = 0 V \text{ to } -3 V_{,} I_{D} = -10 \text{ mA}$		300		ns
Turn-off time *	t _{off}	$V_{DD} = -3 V, V_{GS} = -3 V \text{ to } 0 V, I_D = -10 \text{ mA}$		400		ns

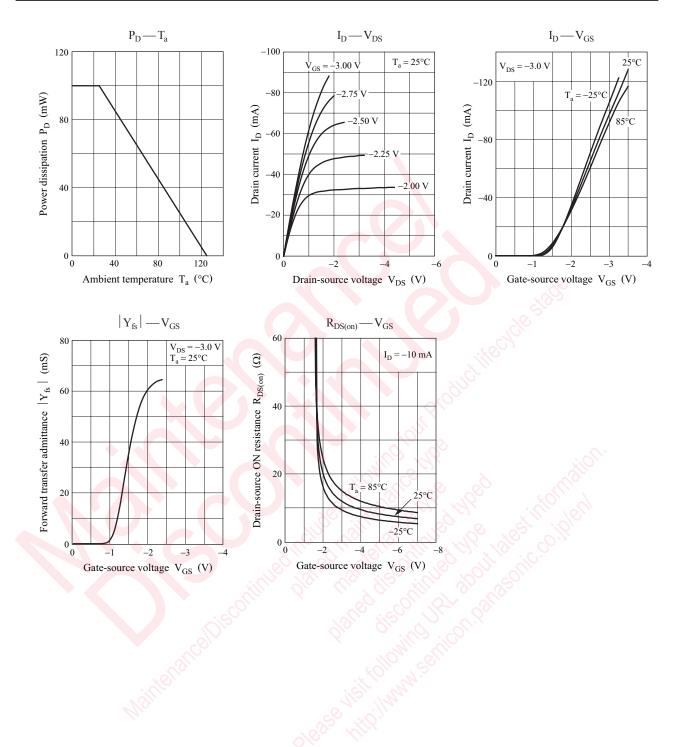
Note) 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7030 measuring methods for transistors.

2. * : t_{on} , t_{off} measurement circuit



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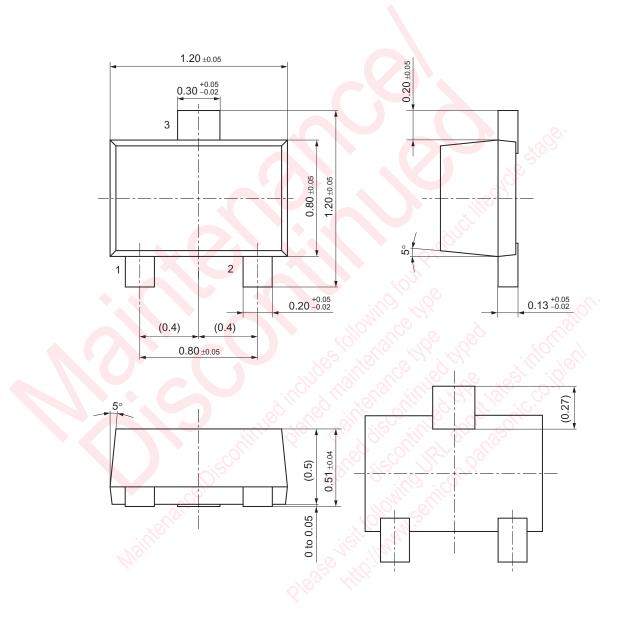


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SSSMini3-F2

Unit: mm



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