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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!



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2SK2751

Silicon N-channel junction FET

For impedance conversion in low frequency

For pyroelectric sensor

■ Features

- Low noise-figure NF
- High gate-drain voltage (Source open) V_{GDO}
- Mini type package, allowing downsizing of the sets and automatic insertion through the tape/magazine packing.

■ Package

- Code
Mini3-G1
- Pin Name
1: Source
2: Drain
3: Gate

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

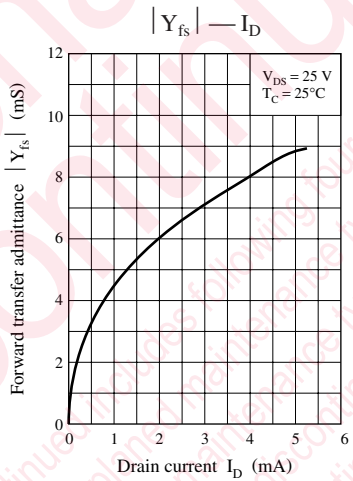
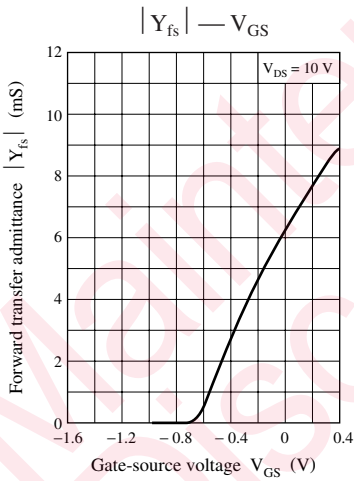
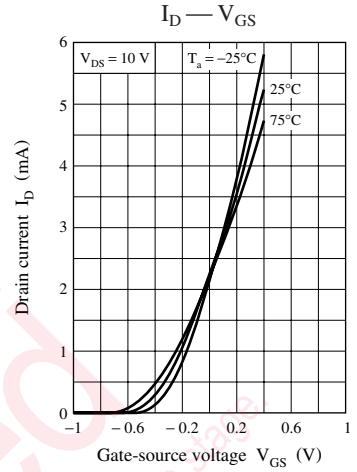
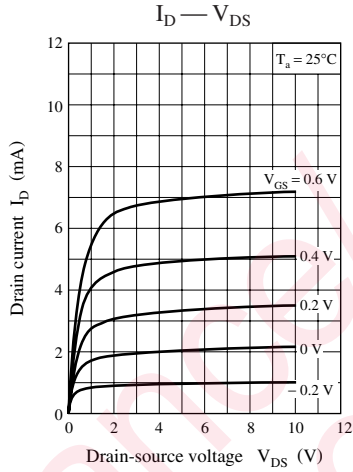
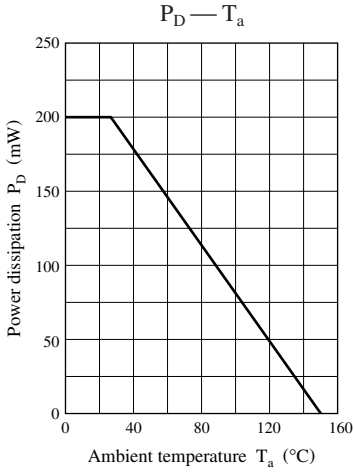
Parameter	Symbol	Rating	Unit
Gate-drain surrender voltage	V_{GDS}	-40	V
Drain current	I_D	10	mA
Gate current	I_G	2	mA
Power dissipation	P_D	200	mW
Channel temperature	T_{ch}	150	$^\circ\text{C}$
Storage temperature	T_{stg}	-55 to +150	$^\circ\text{C}$

■ Marking Symbol: HS

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

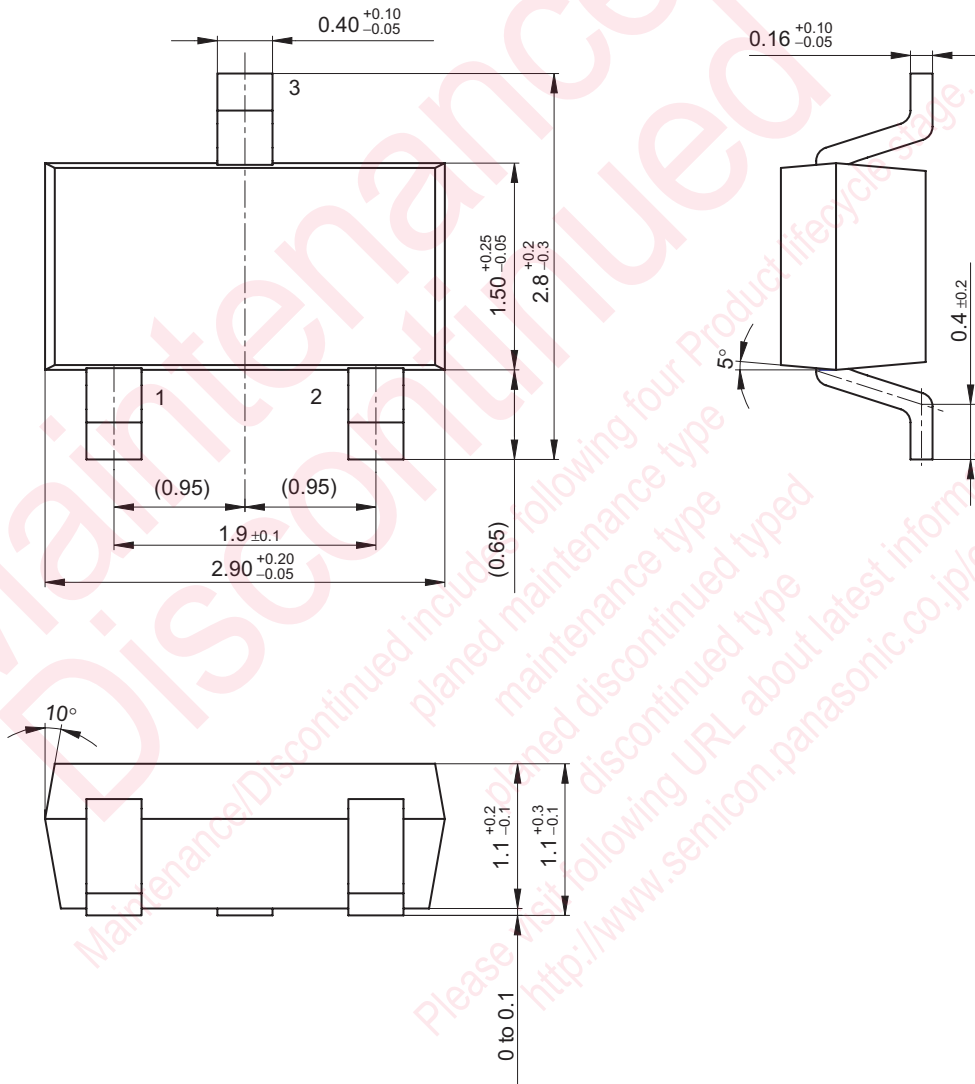
Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Gate-drain surrender voltage	V_{GDS}	$I_G = -100 \mu\text{A}$, $V_{DS} = 0$	-40			V
Drain-source current	I_{DSS}	$V_{DS} = 10 \text{ V}$, $V_{GS} = 0$	1.4		4.7	μA
Gate-source cutoff current	I_{GSS}	$V_{GS} = -20 \text{ V}$, $V_{DS} = 0$			-1.0	μA
Gate-source cutoff voltage	V_{GSC}	$V_{DS} = 10 \text{ V}$, $I_D = 1 \mu\text{A}$			-3.5	V
Forward transfer admittance	$ Y_{fs} $	$V_{DS} = 10 \text{ V}$, $I_D = 1 \text{ mA}$, $f = 1 \text{ kHz}$	2.5			mS
Short-circuit forward transfer capacitance (Common source)	C_{iss}	$V_{DS} = 10 \text{ V}$, $V_{GS} = 0$, $f = 1 \text{ MHz}$		5.0		pF
Short-circuit output capacitance (Common source)	C_{oss}			1.0		pF
Reverse transfer capacitance (Common source)	C_{rss}			1.0		pF

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



Mini3-G1

Unit: mm



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