捷多邦,专业PCB打样工厂,24小时加急出货



N-Channel Junction Silicon FET

2SK2091 **Impedance Converter Applications**

Applications

- · Low-frequency general-purpose amplifier applications.
- · Impedance conversion.
- · Infrared sensor.

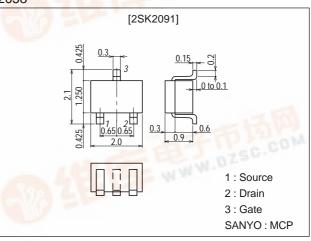
Features

- · Small IGSS.
- · Small Ciss.
- · Ultrasmall-sized package permitting 2SK2091applied sets to be made smaller and slimmer.

Package Dimensions

unit:mm

2058



Specifications

Absolute Maximum Ratings at Ta = 25°C

Parameter	Symbol	Conditions	Ratings	Unit
Drain-to-Source Voltage	V _{DSX}		30	V
Gate-to-Drain Voltage	V _{GDS}		-30	V
Gate Current	IG		10	mA
Drain Current	Ι _D	and the	5	mA
Allowable Power Dissipation	PD	A REAL PROPERTY AND	150	mW
Junction Temperature	Tj		150	°C
Storage Temperature	Tstg		-55 to +150	°C

Electrical Characteristics at Ta = 25°C

Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	Unit
Gate-to-Drain Breakdown Voltage	V(BR)GDS	IG=-10µA, V _{DS} =0	-30			V
Zero-Gate Voltage Drain Current	IDSS	V _{DS} =10V, V _{GS} =0	0.4*		1.1*	mA
Gate-to-Source Leakage Current	IGSS	V _{GS} =-20V, V _{DS} =0			-1.0	nA
Cutoff Voltage	V _{GS(off)}	V _{DS} =10V, I _D =1µA	-0.3	-0.75	-1.5	V
Forward Transfer Admittance	yfs	V _{DS} =10V, V _{GS} =0, f=1kHz	1.1	1.8	- C. 1	mS
* : The 2SK2091 is classified by I _{DSS} as follows : (unit : mA).			Contin	ued on n	ext page	
0.4 14 0.8 0.6 15 1.1						

Note) Marking : H

I_{DSS} rank : 14, 15

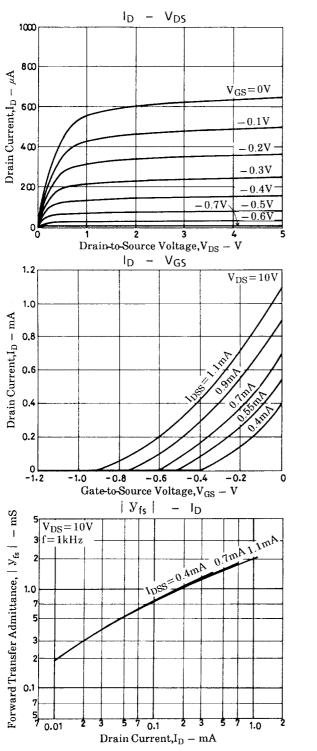
For CP package version, use the 2SK2076.

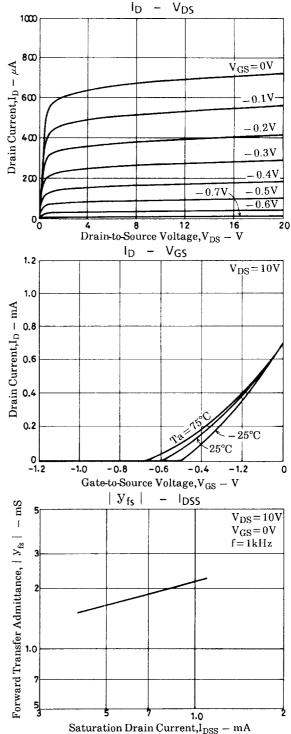
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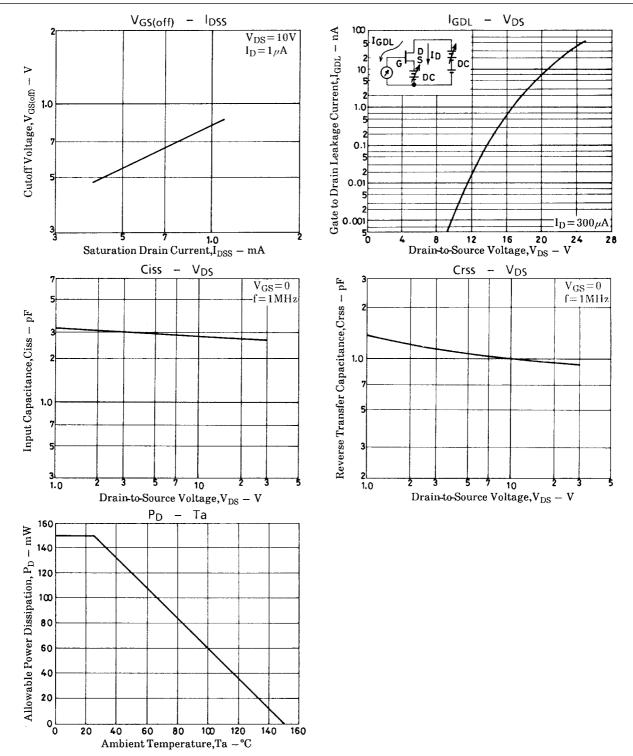
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Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	
Input Capacitance	Ciss	V _{DS} =10V, V _{GS} =0, f=1MHz		2.9		pF
Reverse Transfer Capacitance	Crss	V _{DS} =10V, V _{GS} =0, f=1MHz		1.1		pF





2SK2091



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