

JUNCTION FIELD EFFECT TRANSISTOR 2SK3230

N-CHANNEL SILICON JUNCTION FIELD EFFECT TRANSISTOR FOR IMPEDANCE CONVERTER OF ECM

DESCRIPTION

The 2SK3230 is suitable for converter of ECM.

FEATURES

- · Compact package
- High forward transfer admittance 1000 μ S TYP. (lbss = 100 μ A) 1600 μ S TYP. (lbss = 200 μ A)
- Includes diode and high resistance at G S

ORDERING INFORMATION

PART NUMBER	PACKAGE		
2SK3230	SC-89 (TUSM)		

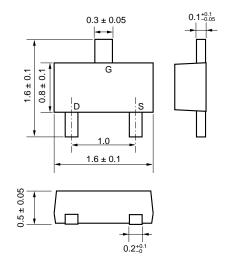
ABSOLUTE MAXIMUM RATINGS (TA = 25°C)

Drain to Source Voltage Note1	VDSX	20	V
Gate to Drain Voltage	Vgdo	-20	V
Drain Current	lσ	10	mΑ
Gate Current	lg	10	mΑ
Total Power Dissipation Note2	Рт	200	mW
Junction Temperature	Tj	125	°C
Storage Temperature	Tstg	-55 to +125	°C

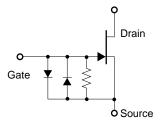


2. Mounted on ceramic substrate of 3.0 cm² x 0.64 mm

PACKAGE DRAWING (Unit: mm)



EQUIVALENT CIRCUIT



Remark Please take care of ESD (Electro Static Discharge) when you handle the device in this document.

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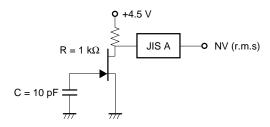
查询CTRICATO CHARATE TERISTICS (TA = 25°C)

CHARACTERISTICS	TEST CONDITIONS	MIN.	TYP.	MAX.	UNIT	
Zero Gate Voltage Drain Cut-off Current	IDSS	V _{DS} = 5.0 V, V _{GS} = 0 V	40		600	μΑ
Gate Cut-off Voltage	V _{GS(off)}	$V_{DS} = 5.0 \text{V}, I_{D} = 1.0 \mu \text{A}$	-0.1		-1.0	V
Forward Transfer Admittance	yfs1	$V_{DS} = 5.0 \text{ V}, \text{ ID} = 30 \ \mu\text{A}, \text{ f} = 1.0 \text{ kHz}$	350			μS
Forward Transfer Admittance	y fs2	V _{DS} = 5.0 V, V _{GS} = 0 V, f = 1.0 kHz	350			μS
Input Capacitance	Ciss	V _{DS} = 5.0 V, V _{GS} = 0 V, f = 1.0 MHz		7.0	8.0	pF
Noise Voltage	NV	See Test Circuit		1.8	3.0	μV

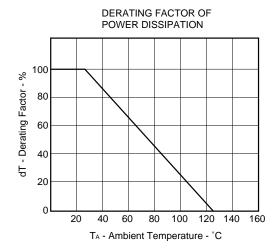
IDSS RANK

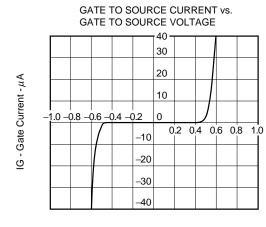
MARKIN	١G	J2	J3	J4	J5	J6	J7
Inss (μA)		40 to 70	60 to 110	90 to 180	150 to 300	200 to 450	300 to 600

NOISE VOLTAGE TEST CIRCUIT

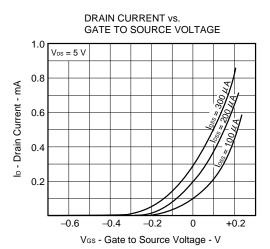


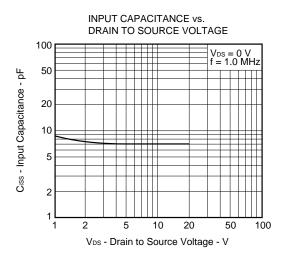
李神·GAK CHARACYER ISTICS (TA = 25°C)



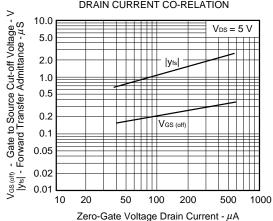


V_{GS} - Gate to Source Voltage - V



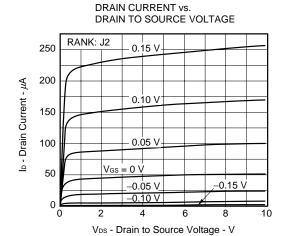


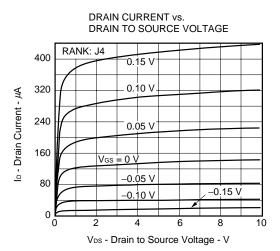
GATE TO SOURCE CUT-OFF VOLTAGE AND FORWARD TRANSFER ADMITTANCE vs. ZERO-GATE VOLTAGE DRAIN CURRENT CO-RELATION

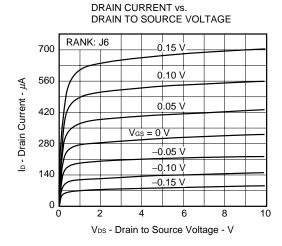


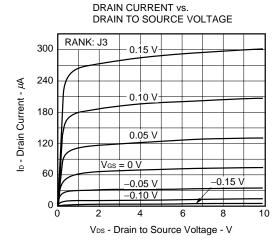
Data Sheet D15942EJ1V0DS 3

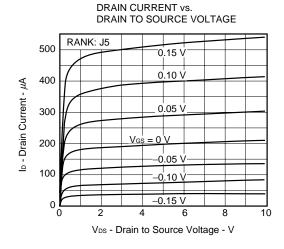
查询"2SK3230"供应商

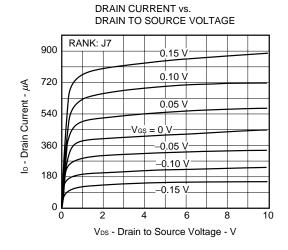












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