## 捷多邦,专业PCB打样工厂,24小时加急出货



### N-Channel Junction Silicon FET

# 2SK932



# **Applications**

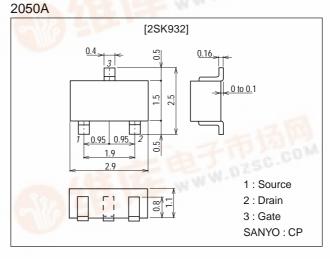
· AM tuner RF amplifier, low-noise amplifier.

## **Features**

- · Adoption of FBET process.
- $\cdot$  Large  $|y_{fs}|$ .
- · Small Ciss.
- · Ultralow noise figure.
- · Ultrasmall-sized package permitting 2SK932-applied sets to be made smaller and slimmer.

# **Package Dimensions**

unit:mm



# **Specifications**

## Absolute Maximum Ratings at Ta = 25°C

Parameter	Symbol	Conditions	Ratings	Unit
Drain-to-Source Voltage	V <sub>DSX</sub>		15	V
Gate-to-Drain Voltage	V <sub>GDS</sub>		-15	V
Gate Current	I <sub>G</sub>		10	mA
Drain Current	۱ <sub>D</sub>	and the	50	mA
Allowable Power Dissipation	PD	and the second	200	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, VDS=0V	-15			V
Gate-to-Source Leakage Current	IGSS	V <sub>GS</sub> =-10V, V <sub>DS</sub> =0V			-1.0	nA
Zero-Gate Voltage Drain Current	IDSS	V <sub>DS</sub> =5V, V <sub>GS</sub> =0V	5.0*		24.0*	mA
Cutoff Voltage	VGS(off)	V <sub>DS</sub> =5V, I <sub>D</sub> =100µA	-0.2	-0.6	-1.4	V
Forward Transfer Admittance	yfs	V <sub>DS</sub> =5V, V <sub>GS</sub> =0V, f=1kHz	25	50	- C . 1	mS
* : The 2SK932 is classified by I <sub>DSS</sub> as follows (unit : mA) :				Contin	ued on n	ext page
5.0 21 8.5 7.3 22 12.0 10.0 23	17.0 14.5	24 24 0				

21 8.5 7.3 22 12.0 10.0 23 17.0 14.5 5.0 24 24 0

(Note) Marking : E

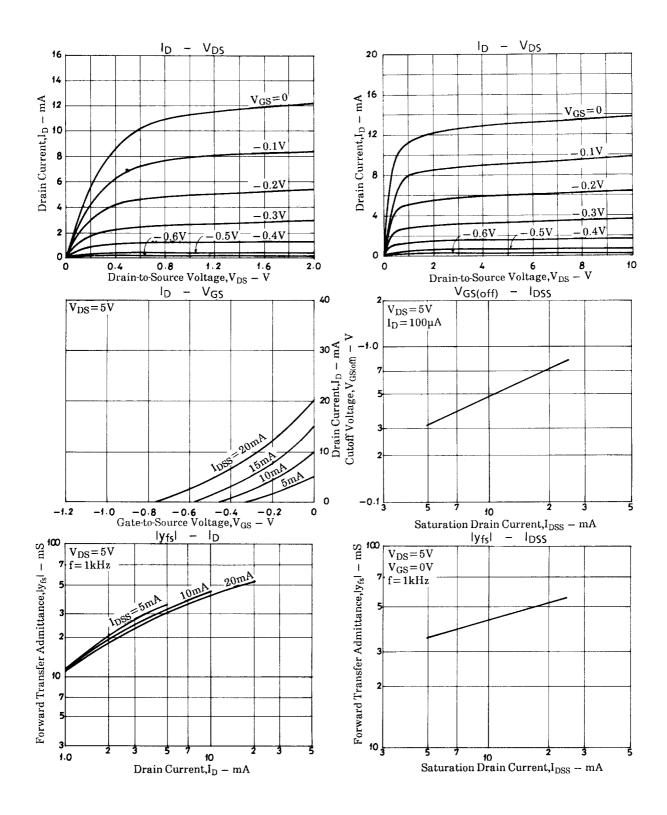
I<sub>DSS</sub> rank : 21, 22, 23, 24

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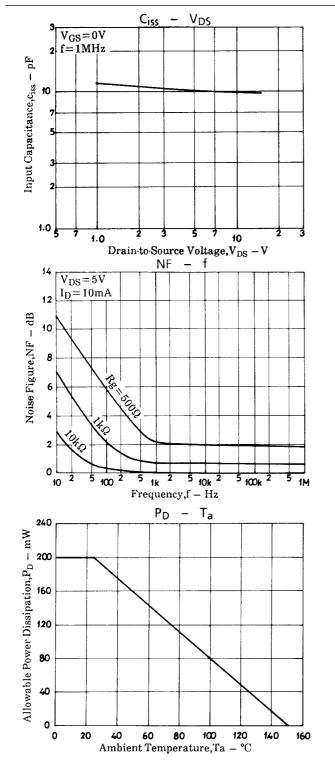
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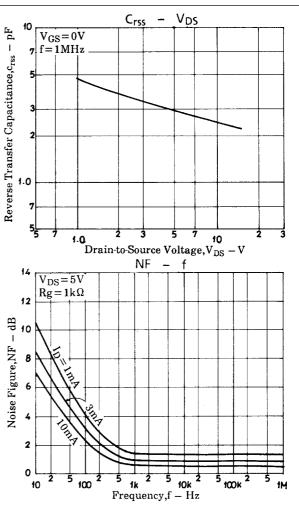
Continued from preceding page.

Parameter	Symbol	Conditions	Ratings		Unit
Input Capacitance	Ciss	V <sub>DS</sub> =5V, V <sub>GS</sub> =0V, f=1MHz	10		pF
Reverse Transfer Capacitance	Crss	V <sub>DS</sub> =5V, V <sub>GS</sub> =0V, f=1MHz	3.0		pF
Noise Figure	NF	$V_{DS}$ =5V, Rg=1k $\Omega$ , I <sub>D</sub> =1mA, f=1kHz	1.5		dB



2SK932





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