#### 捷多邦,专业PCB打样工厂,24小时加急出货

查询2SK2539供应商

N-Channel Junction Silicon FET

# 2SK2539

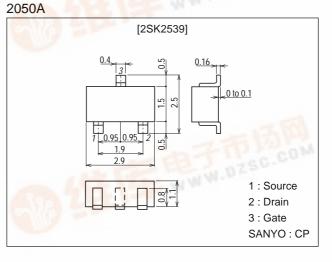
# WW.DZSC.COM **High-Frequency Amplifier, Analog Switch Applications**

### **Features**

- $\cdot$  Large |  $y_{fs}$  |.
- · Small Ciss.
- · Small-sized package permitting 2SK2539-applied sets to be made small and slim. WWW.DZSC.COM
- · Adoption of FBET process.

## **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	IG		5	mA
Drain Current	ID		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
	Symbol		min	typ	max	Unit
Gate-to-Drain Breakdown Voltage	V <sub>(BR)</sub> GDS	I <sub>G</sub> =-10μΑ, V <sub>DS</sub> =0	-15			V
Gate-to-Source Leakage Current	IGSS	V <sub>GS</sub> =-10V, V <sub>DS</sub> =0			-1.0	nA
Zero-Gate Voltage Drain Current	IDSS	V <sub>DS</sub> =5V, V <sub>GS</sub> =0	10.0*		50.0*	mA
Cutoff Voltage	V <sub>GS(off)</sub>	V <sub>DS</sub> =5V, I <sub>D</sub> =10µA	 -0.6	-1.4	-3.0	V
Forward Transfer Admittance	yfs  1	V <sub>DS</sub> =5V, I <sub>D</sub> =10mA, f=1kHz	 14	21	- C. 1	mS
	yfs  2	V <sub>DS</sub> =5V, V <sub>GS</sub> =0, f=1kHz	14	29	1000	mS
k. The 28K2520 is closelfied by I as f	11 ( 14 A)			0	und on m	

: The 2SK2539 is classified by I<sub>DSS</sub> as follows : (unit : mA)

Marking : AK

I<sub>DSS</sub> rank : 6, 7, 8

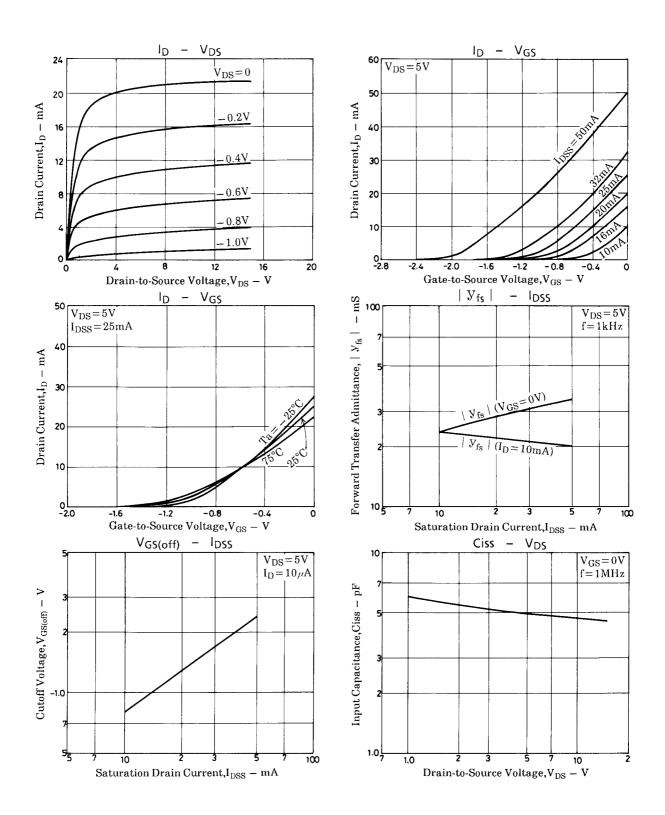
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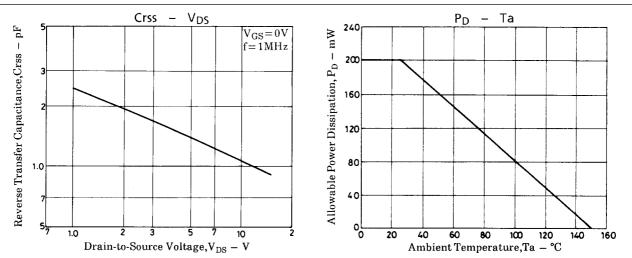
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Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	Unit
Input Capacitance	Ciss	V <sub>DS</sub> =5V, V <sub>GS</sub> =0, f=1MHz		4.9		pF
Reverse Transfer Capacitance	Crss	V <sub>DS</sub> =5V, V <sub>GS</sub> =0, f=1MHz		1.4		pF



#### 2SK2539



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