# 捷多邦,专业PCB打样工厂,24小时加急出货

### 查询2SK1839供应商 Ordering number:EN4634

### N-Channel Enhancement Silicon MOSFET

2SK1839

# B T D S G COM

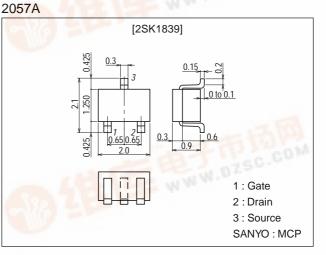
# **Features**

- · Ultrasmall-sized package permitting 2SK1839applied sets to be made small and slim.
- $\cdot$  Large  $|y_{fs}|$ .
- · Enhancement type.
- $\cdot$  Low ON resistance.

# **Analog Switch Applications**

# **Package Dimensions**

unit:mm



# **Specifications**

# Absolute Maximum Ratings at Ta = 25°C

Parameter	Symbol	Conditions	Ratings	Unit
Drain-to-Source Voltage	VDSS		30	V
Gate-to-Source Voltage	VGSS		±12	V
Drain Current (DC)	I <sub>D</sub>		100	mA
Drain Current (pulse)	IDP	and the	300	mA
Allowable Power Dissipation	PD	A Star Star In	150	mW
Channel Temperature	Tch		125	°C
Storage Temperature	Tstg		-55 to +125	°C

# Electrical Characteristics at Ta = 25°C

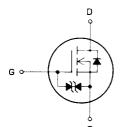
Symbol	Conditions	Ratings			Unit
		min	typ	max	Unit
V <sub>(BR)</sub> DSS	I <sub>D</sub> =10µA, V <sub>GS</sub> =0	30			V
IDSS	V <sub>DS</sub> =15V, V <sub>GS</sub> =0			1	μA
IGSS	V <sub>GS</sub> =±10V, V <sub>DS</sub> =0		0.01	±10	nA
V <sub>GS(off)</sub>	V <sub>DS</sub> =10V, I <sub>D</sub> =100µA	0.3	0.9	1.5	V
yfs	V <sub>DS</sub> =10V, I <sub>D</sub> =50mA, f=1kHz	25	50	101	mS
R <sub>DS(on)</sub>	V <sub>GS</sub> =10V, I <sub>D</sub> =10mA	100	15	25	Ω
Ciss	V <sub>DS</sub> =10V, V <sub>GS</sub> =0, f=1MHz	11.44	12		pF
Coss	V <sub>DS</sub> =10V, V <sub>GS</sub> =0, f=1MHz		4		pF
Crss	V <sub>DS</sub> =10V, V <sub>GS</sub> =0, f=1MHz		0.4		pF
	V(BR)DSS   IDSS   IGSS   VGS(off)   Iyfs     RDS(on)   Ciss   Coss	V(BR)DSS ID=10µA, VGS=0   IDSS VDS=15V, VGS=0   IGSS VGS=15V, VDS=0   VGS(off) VDS=10V, ID=100µA   I yfs   VDS=10V, ID=50mA, f=1kHz   RDS(on) VGS=10V, ID=10mA   Ciss VDS=10V, VGS=0, f=1MHz   Coss VDS=10V, VGS=0, f=1MHz	Min min   V(BR)DSS ID=10µA, VGS=0 30   IDSS VDS=15V, VGS=0 30   IGSS VGS=15V, VDS=0 30   VGS(off) VDS=10V, ID=100µA 0.3     yfs   VDS=10V, ID=50mA, f=1kHz 25   RDS(on) VGS=10V, ID=10mA 30   Ciss VDS=10V, VGS=0, f=1MHz 40   Coss VDS=10V, VGS=0, f=1MHz 40	Symbol Conditions min typ   V(BR)DSS ID=10µA, VGS=0 30   IDSS VDS=15V, VGS=0 30   IGSS VGS=t10V, VDS=0 0.01   VGS(off) VDS=10V, ID=100µA 0.3 0.9   I yfs   VDS=10V, ID=50mA, f=1kHz 25 50   RDS(on) VGS=10V, ID=10mA 15 15   Ciss VDS=10V, VGS=0, f=1MHz 12   Coss VDS=10V, VGS=0, f=1MHz 4	Symbol Conditions min typ max   V(BR)DSS ID=10µA, VGS=0 30 30 1   IDSS VDS=15V, VGS=0 30 1 1   IGSS VGS=±10V, VDS=0 0.01 ±10   VGS(off) VDS=10V, ID=100µA 0.3 0.9 1.5     yfs   VDS=10V, ID=50mA, f=1kHz 25 50 15   RDS(on) VGS=10V, ID=10mA 15 25 25   Ciss VDS=10V, VGS=0, f=1MHz 12 12   Coss VDS=10V, VGS=0, f=1MHz 4 4

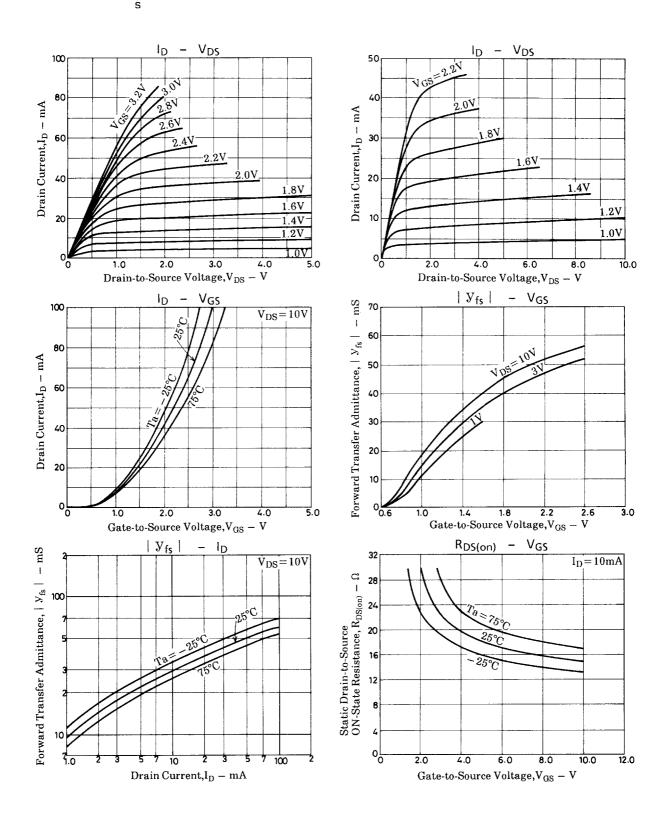
Marking : JJ

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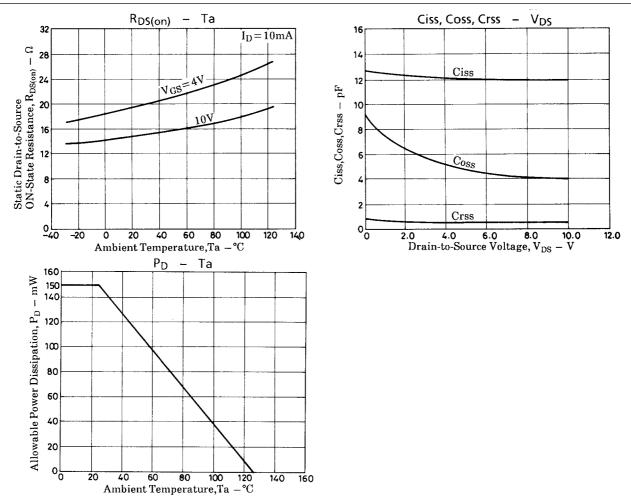
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### **Electrical Connection**





# 2SK1839



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