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

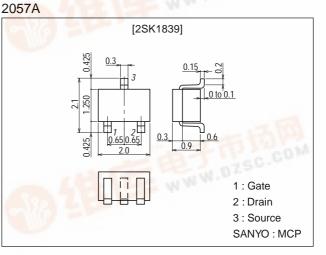
Features

- · 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 _D		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

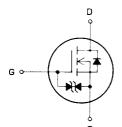
Symbol	Conditions	Ratings			Unit
		min	typ	max	Unit
V _(BR) DSS	I _D =10µA, V _{GS} =0	30			V
IDSS	V _{DS} =15V, V _{GS} =0			1	μA
IGSS	V _{GS} =±10V, V _{DS} =0		0.01	±10	nA
V _{GS(off)}	V _{DS} =10V, I _D =100µA	0.3	0.9	1.5	V
yfs	V _{DS} =10V, I _D =50mA, f=1kHz	25	50	101	mS
R _{DS(on)}	V _{GS} =10V, I _D =10mA	100	15	25	Ω
Ciss	V _{DS} =10V, V _{GS} =0, f=1MHz	11.44	12		pF
Coss	V _{DS} =10V, V _{GS} =0, f=1MHz		4		pF
Crss	V _{DS} =10V, V _{GS} =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

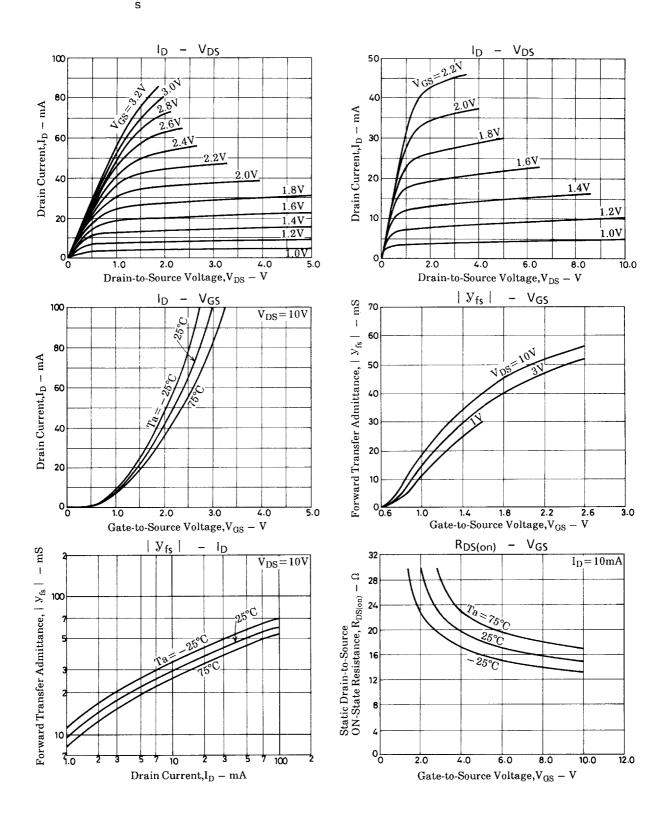
Marking : JJ

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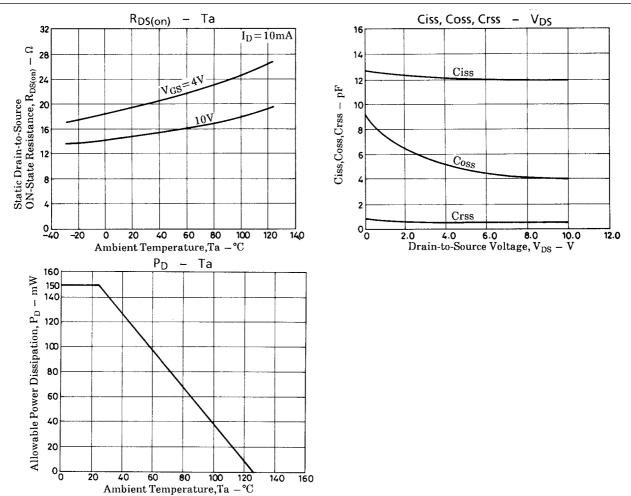
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Electrical Connection





2SK1839



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