Ordering number: EN4635

N-Channel Enhancement Silicon MOSFET



2SK1840

Analog Switch Applications

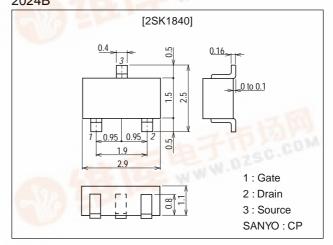
Features

- · Large $|y_{fs}|$.
- · Enhancement type.
- · Low ON resistance.

Package Dimensions

unit:mm 2024B

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Specifications

Absolute Maximum Ratings at Ta = 25°C

The state of the s						
Parameter	Symbol	Conditions	Ratings	Unit		
Drain-to-Source Voltage	V _{DSS}		30	V		
Gate-to-Source Voltage	V _{GSS}		±12	V		
Drain Current (DC)	ID	100	100	mA		
Drain Current (pulse)	I _{DP}	The state of the s	300	mA		
Allowable Power Dissipation	PD		200	mW		
Channel Temperature	Tch	AND ASSESSMENT OF THE PARTY OF	125	°C		
Storage Temperature	Tstg	130 14 - 5 - 5	-55 to +125	°C		

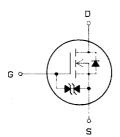
Electrical Characteristics at Ta = 25°C

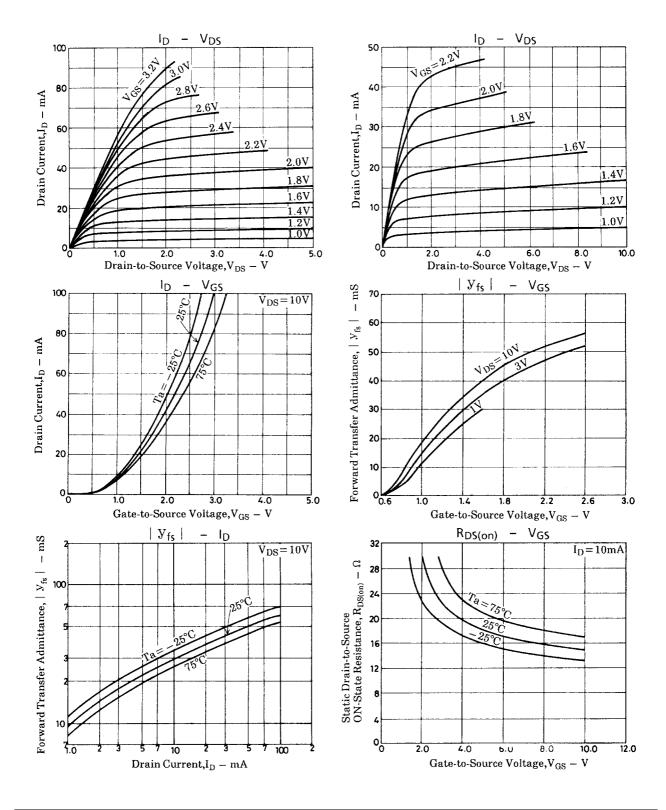
Parameter	Symbol	Conditions	Ratings			Unit
Falanietei			min	typ	max	Uill
Drain-to-Source Breakdown Voltage	V(BR)DSS	I _D =10μA, V _{GS} =0	30			V
Zero-Gate Votlage Drain Current	IDSS	V _{DS} =15V, V _{GS} =0			1	μΑ
Gate-to-Source Leakage Current	I _{GSS}	V _{GS} =±10V, V _{DS} =0		0.01	±10	nA
Cutoff Voltage	VGS(off)	V _{DS} =10V, I _D =100μA	0.3	0.9	1.5	V
Forward Transfer Admittance	yfs	V _{DS} =10V, I _D =50mA, f=1kHz	25	50	40.1	mS
Static Drain-to-Source On-State Resistance	R _{DS(on)}	V _{GS} =10V, I _D =10mA		15	25	Ω
Input Capacitance	Ciss	V _{DS} =10V, V _{GS} =0, f=1MHz	41.41	12		pF
Output Capacitance	Coss	V _{DS} =10V, V _{GS} =0, f=1MHz		4		pF
Reverse Transfer Capacitance	Crss	V _{DS} =10V, V _{GS} =0, f=1MHz		0.4		pF

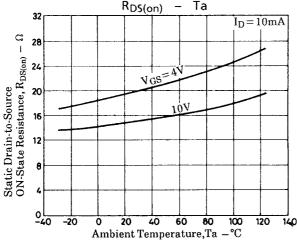
Marking: JJ

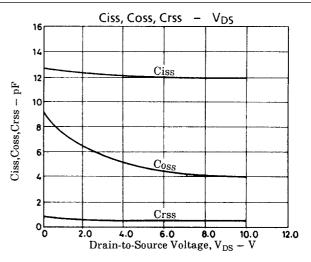
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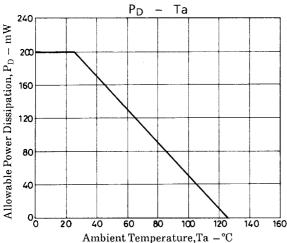
Electrical Connection











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