2.5V Drive Nch MOS FET

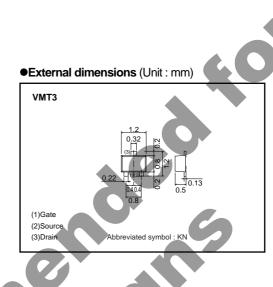
2SK3541

 Structure Silicon N-channel MOSFET

 Applications Interfacing, switching (30V, 100mA)

Features

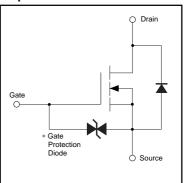
- 1) Low on-resistance.
- 2) Fast switching speed.
- 3) Low voltage drive (2.5V) makes this device ideal for portable equipment.
- 4) Drive circuits can be simple.
- 5) Parallel use is easy.



Packaging specifications Package Taping Code T2L Туре Basic ordering unit 8000 (pieces) 2SK3541 Absolute maximum ratings (Ta=25°C)

Parameter		Symbol	Limits	Unit
Drain-source voltage		Vdss	30	V
Gate-source voltage		Vgss	±20	V
Drain current	Continuous	lo	±100	mA
	Pulsed	Idp ^{*1}	±400	mA
Total power dissipation		Po ^{*2}	150	mW
Channel temperature		Tch	150	°C
Storage temperature		Tstg	-55 to +150	°C

Equivalent circuit



*A protection diode is included between the gate and the source terminals to protect the diode against static electricity when the product is in use. Use a protection circuit when the fixed voltages are exceeded.

*1 Pw≤10µs, Duty cycle≤1%

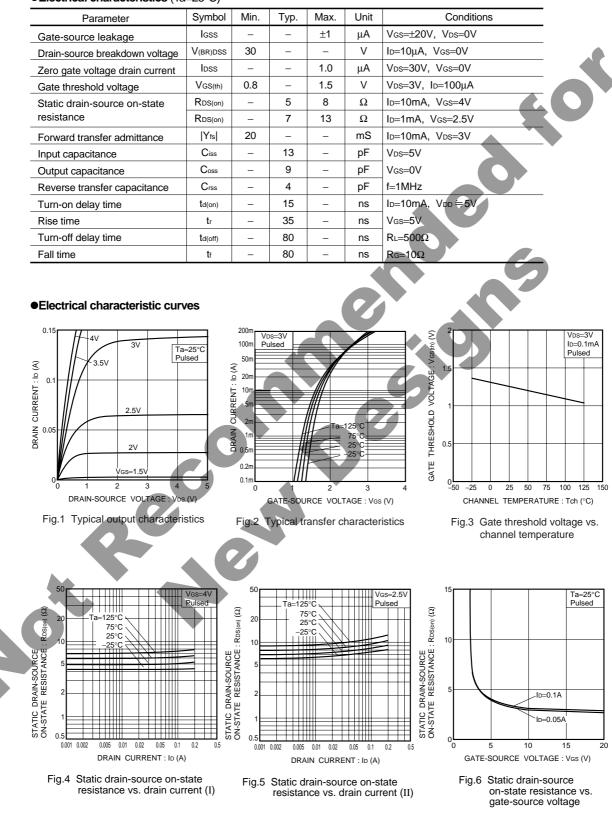
*2 With each pin mounted on the recommended lands.



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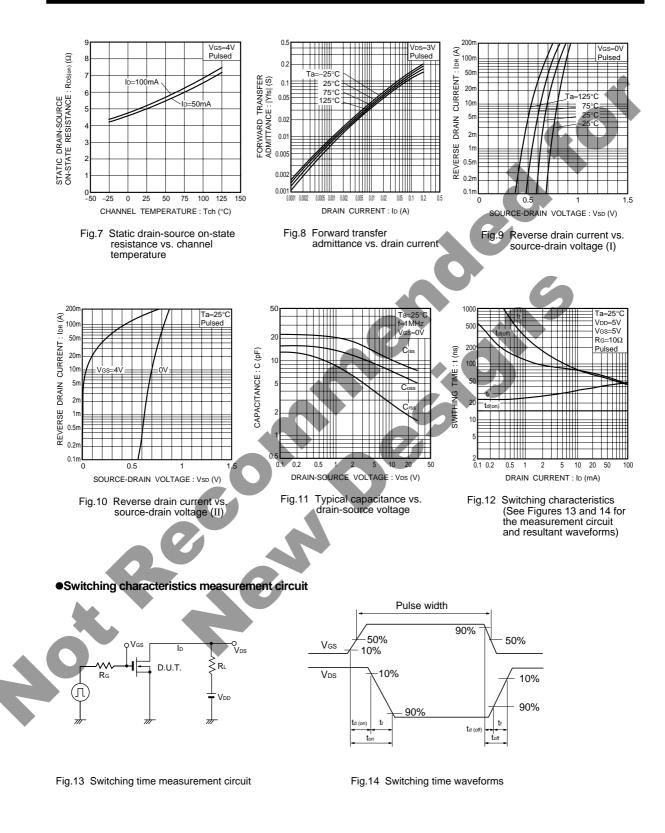
Transistor

•Electrical characteristics (Ta=25°C)



ROHM

Transistor



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