# 2SK3318

# Silicon N-channel power MOSFET

#### For switching

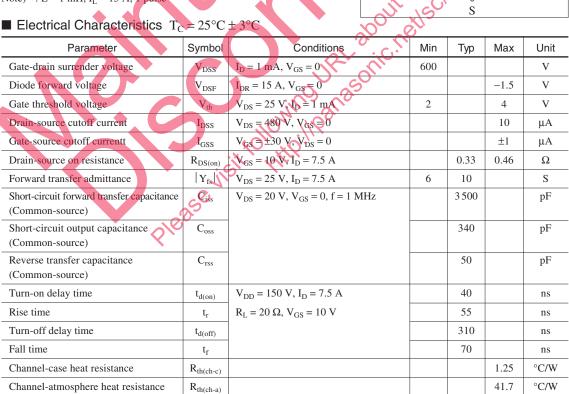
#### ■ Features

- Avalanche energy capability guaranteed
- High-speed switching
- Low ON resistance Ron
- No secondary breakdown

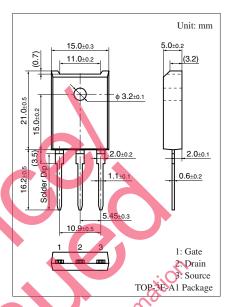
## ■ Absolute Maximum Ratings $T_C = 25$ °C

Parameter		Symbol	Rating	Unit
Drain-source surrender voltage		$V_{DSS}$	600	V
Gate-source surrender voltage		$V_{GSS}$	±30	V
Drain current		$I_D$	±15	A
Peak drain current		$I_{DP}$	±60	A
Avalanche energy capability *		EAS	112.5	mJ
Power		$P_{\mathrm{D}}$	100	W
dissipation T <sub>a</sub>	a = 25°C		3	
Channel temperature		$T_{ch}$	150	°C
Storage temperature		T <sub>stg</sub>	-55 to +150	°C

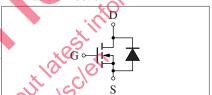
Note) \*:  $L = 1 \text{ mH}, I_L = 15 \text{ A}, 1 \text{ pulse}$ 

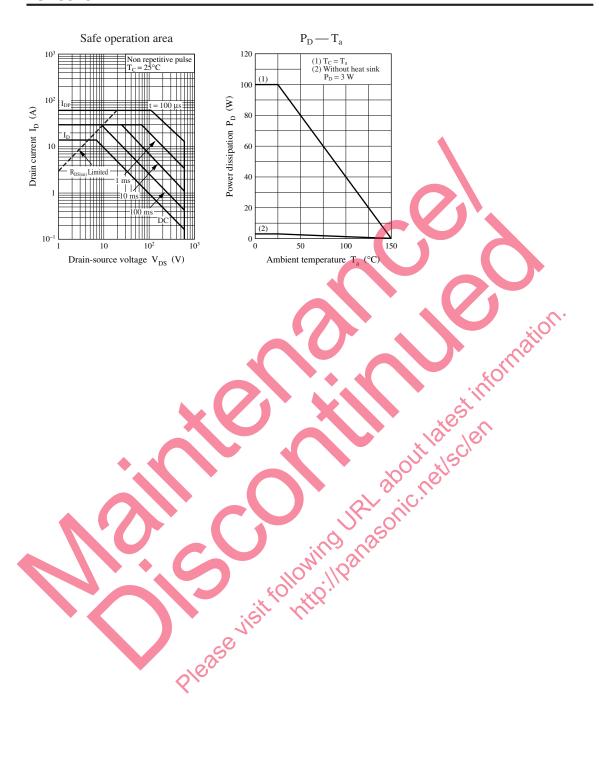


Note) Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7030 measuring methods for transistors.



#### Internal Connection





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