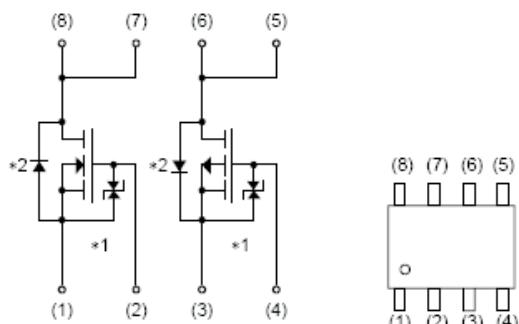


## Switching

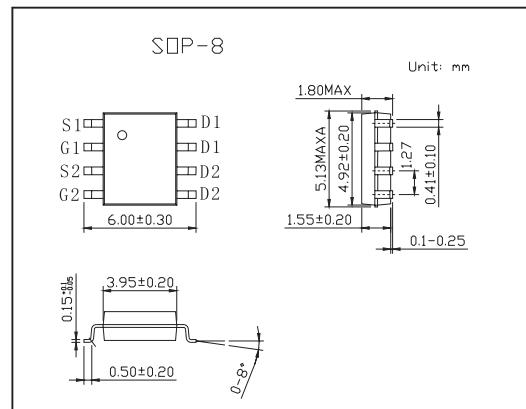
### KP8M6

#### ■ Features

- Low on-resistance.
- Built-in G-S Protection Diode.
- Small and Surface Mount Package.
- Power switching, DC / DC converter.



\*1 ESD PROTECTION DIODE  
\*2 BODY DIODE



#### ■ Absolute Maximum Ratings Ta = 25°C

Parameter	Symbol	N-Channel	P-Channel	Unit
Drain-source voltage	V <sub>DSS</sub>	30	-30	V
Gate-source voltage	V <sub>GSS</sub>	20	-20	V
Drain current Continuous	I <sub>D</sub>	±5.0	±3.5	A
Drain current Pulsed *	I <sub>DP</sub>	±20	±14	A
Source current (Body diode) Continuous	I <sub>S</sub>	1.6	-1.6	A
Source current (Body diode) Pulsed *	I <sub>SP</sub>	20	-14	A
Total power dissipation	P <sub>D</sub>	2		W
Channel temperature	T <sub>ch</sub>	150		°C
Storage temperature	T <sub>stg</sub>	-55 to +150		°C
Channel to ambient	R <sub>th</sub> (ch-a)	62.5		°C/W

\* Pw≤10 μ s, Duty cycle≤1%

