# 2SK1313(L)(S), 2SK1314(L)(S)

## Silicon N-Channel MOS FET

# **HITACHI**

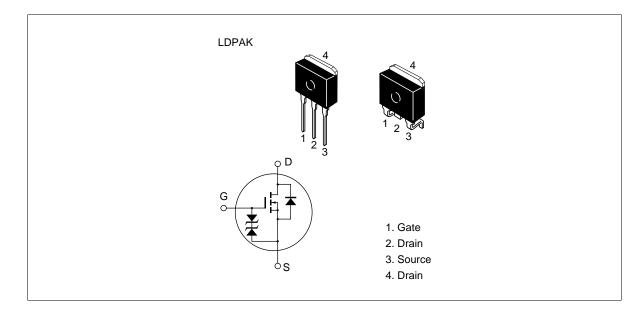
### **Application**

High speed power switching

#### **Features**

- Low on-resistance
- High speed switching
- Low drive current
- · No secondary breakdown
- Suitable for switching regulator and DC-DC converter

### **Outline**





# $\underline{2SK1313(L)(S),2SK1314(L)(S)}$

### **Absolute Maximum Ratings** $(Ta = 25^{\circ}C)$

Item		Symbol	Ratings	Unit
Drain to source voltage	2SK1313	V <sub>DSS</sub>	450	V
	2SK1314		500	
Gate to source voltage		$V_{GSS}$	±30	V
Drain current		I <sub>D</sub>	5	А
Drain peak current		l <sub>D(pulse)</sub> *1	20	A
Body to drain diode reverse drain current		I <sub>DR</sub>	5	Α
Channel dissipation		Pch*2	50	W
Channel temperature		Tch	150	°C
Storage temperature		Tstg	-55 to +150	°C

Notes: 1. PW  $\leq$  10  $\mu$ s, duty cycle  $\leq$  1%

2. Value at  $T_c = 25^{\circ}C$ 

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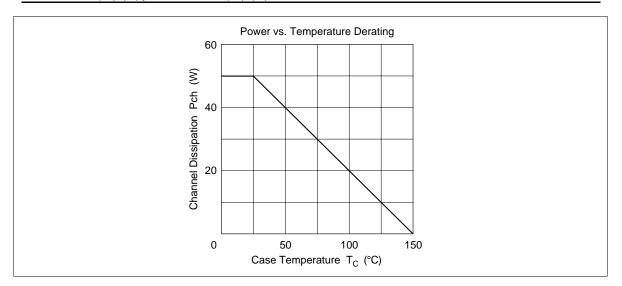
### **Electrical Characteristics** ( $Ta = 25^{\circ}C$ )

<b>*</b> 1
<b>*</b> 1

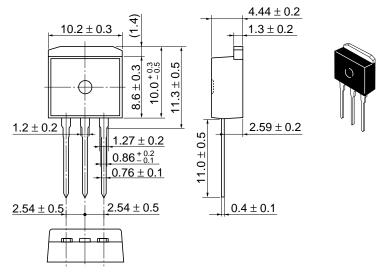
Note: 1. Pulse test

See characteristic curves of 2SK1155, 2SK1156.

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### Unit: mm



Hitachi Code	LDPAK (L)
JEDEC	
EIAJ	
Weight (reference value)	1.4 g

#### **Cautions**

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