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April 1st, 2010 **Renesas Electronics Corporation**

Issued by: Renesas Electronics Corporation (http://www.renesas.com)

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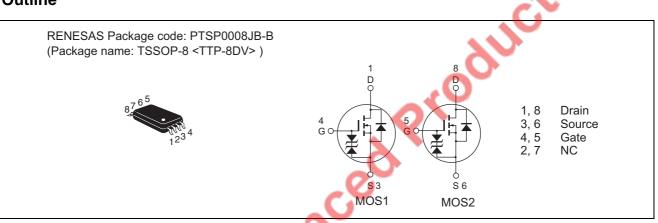
Silicon N Channel MOS FET High Speed Power Switching

> REJ03G0384-0200 Rev.2.00 Aug 06, 2007

Features

- Low on-resistance
- Capable of 4 V gate drive
- High density mounting

Outline



Absolute Maximum Ratings

		$(Ta = 25^{\circ}C)$	
Item	Symbol	Ratings	Unit
Drain to source voltage	V _{DSS}	200	V
Gate to source voltage	V _{GSS}	±15	V
Drain current	Ι _D	0.5	A
Drain peak current	I _D (pulse) ^{Note1}	2	A
Body-drain diode reverse drain current	I _{DR}	0.5	A
Channel dissipation	Pch ^{Note 2}	1	W
	Pch ^{Note 3}	1.5	W
Channel temperature	Tch	150	°C
Storage temperature	Tstg	-55 to +150	°C

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

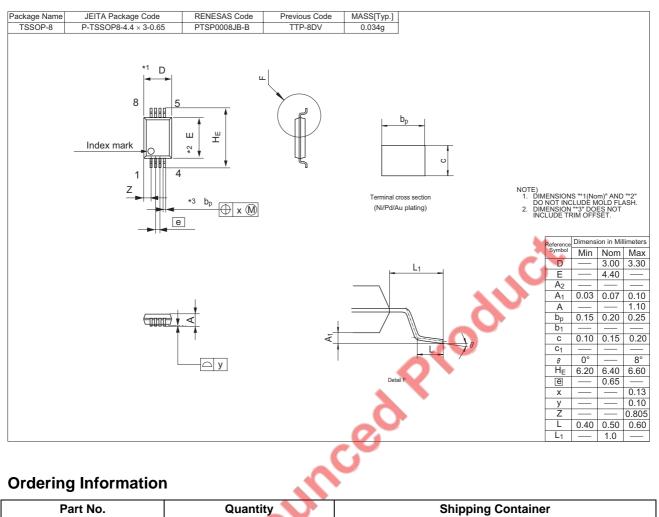
2. 1 Drive operation ; When using the glass epoxy board (FR4 40 x 40 x 1.6 mm), PW \leq 10 s

3. 2 Drive operation ; When using the glass epoxy board (FR4 40 x 40 x 1.6 mm), PW \leq 10 s

Electrical Characteristics

REJ03G0384-0200 Rev.2.00 Aug 06, 2007 Page 2 of 3

Package Dimensions



Ordering Information

Quantity	Shipping Container		
pcs	Taping		
	Quantity pcs		

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