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April 1st, 2010 Renesas Electronics Corporation

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

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HAT1035R

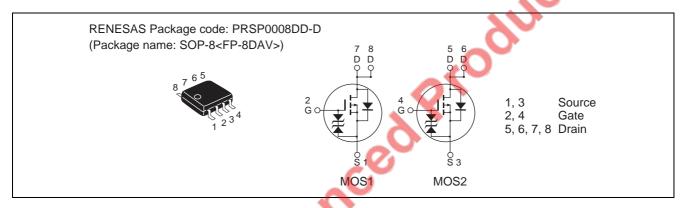
Silicon P Channel Power MOS FET High Speed Power Switching

REJ03G0845-0100 Rev.1.00 Apr.22,2005

Features

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

Outline



Absolute Maximum Ratings

 $(Ta = 25^{\circ}C)$

ltem	Symbol	Ratings	Unit
Drain to Source voltage	V _{DSS}	-150	V
Gate to Source voltage	V _{GSS}	±15	V
Drain current	I _D	-0.25	А
Drain peak current	I _{D(pulse)} Note1	-1	А
Body-Drain diode reverse Drain current	I _{DR}	-0.25	А
Channel dissipation	P _{ch} Note2	1	W
Channel dissipation	P _{ch} Note3	1.5	W
Channel temperature	Tch	150	°C
Storage temperature	Tstg	-55 to +150	°C

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

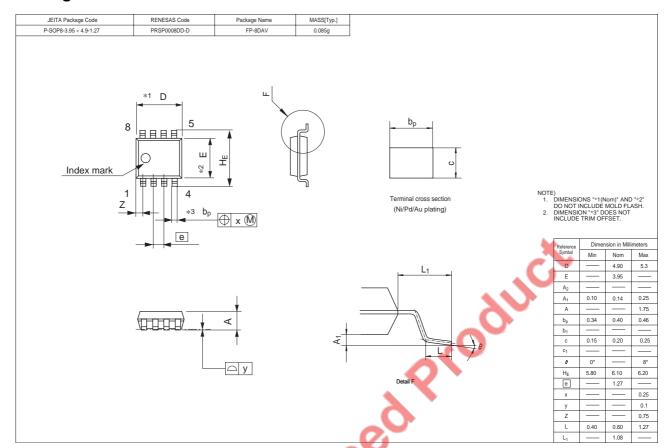
2. 1 Drive operation : When using the glass epoxy board (FR4 40 x 40 x 1.6 mm)

3. 2 Drive operation: When using the glass epoxy board (FR4 40 x 40 x 1.6 mm)

Electrical Characteristics

 $(Ta = 25^{\circ}C)$

Package Dimensions



Ordering Information

Part Name	Quantity	_		Shipping Container
HAT1035R-EL-E	2500 pcs.	7	•	Taping

Note: For some grades, production may be terminated. Please contact the Renesas sales office to check the state of production before ordering the product.

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