

RJK0362DSP

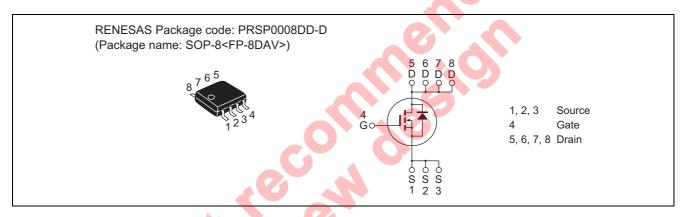
Silicon N Channel Power MOS FET Power Switching

REJ03G1653-0501 Rev.5.01 Apr 24, 2008

Features

- Capable of 5 V gate drive
- Low drive current
- High density mounting
- Low on-resistance $R_{DS(on)} = 5.0 \text{ m}\Omega \text{ typ. (at } V_{GS} = 10 \text{ V)}$
- Pb-free

Outline



Absolute Maximum Ratings

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

Item	Symbol	Ratings	Unit
Drain to source voltage	V_{DSS}	30	V
Gate to source voltage	V_{GSS}	±20	V
Drain current	I _D	16	А
Drain peak current	I _{D(pulse)} Note1	128	А
Body-drain diode reverse drain current	I _{DR}	16	А
Avalanche current	I _{AP} Note 2	15	А
Avalanche energy	E _{AR} Note 2	22.5	mJ
Channel dissipation	Pch Note3	2.0	W
Channel to ambient thermal impedance	θch-a Note3	62.5	°C/W
Channel temperature	Tch	150	°C
Storage temperature	Tstg	-55 to +150	°C

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

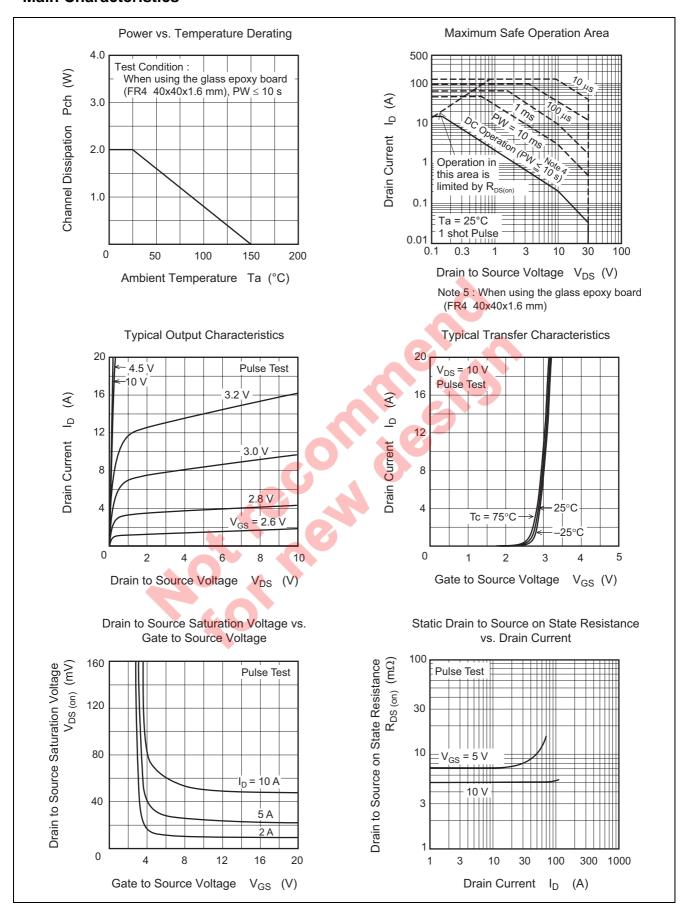
- 2. Value at Tch = 25°C, Rg \geq 50 Ω
- 3. When using the glass epoxy board (FR4 40 x 40 x 1.6 mm), PW \leq 10s

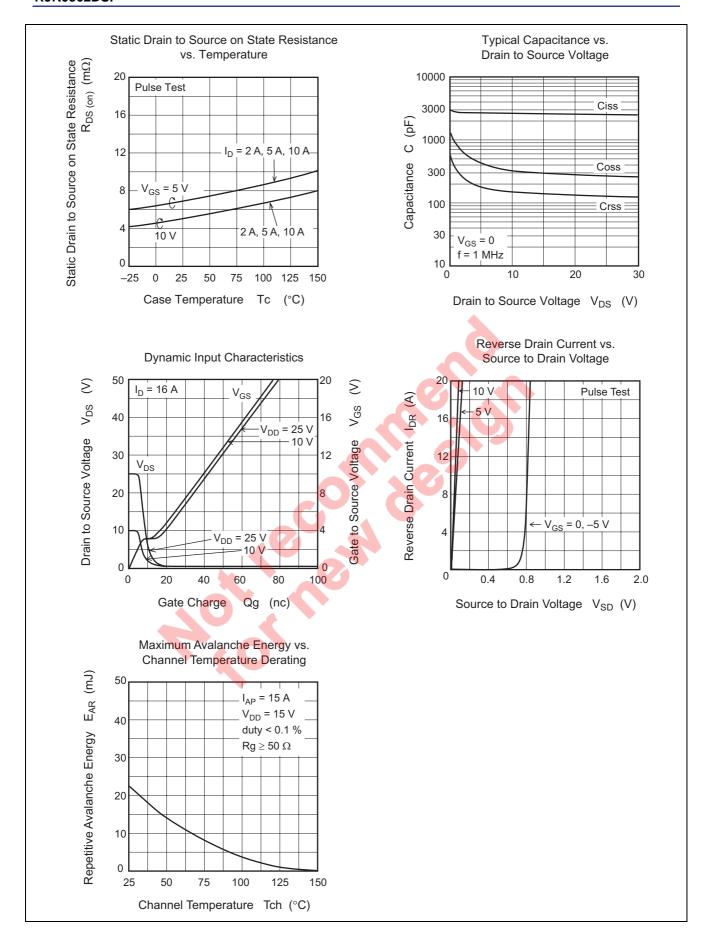
Electrical Characteristics

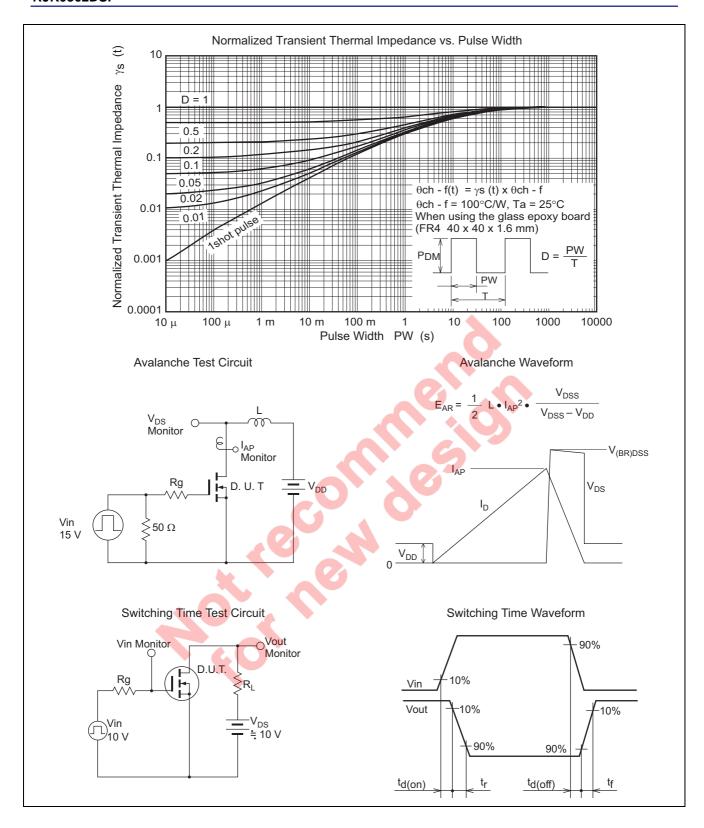
 $(Ta = 25^{\circ}C)$

Notes: 4. Pulse test

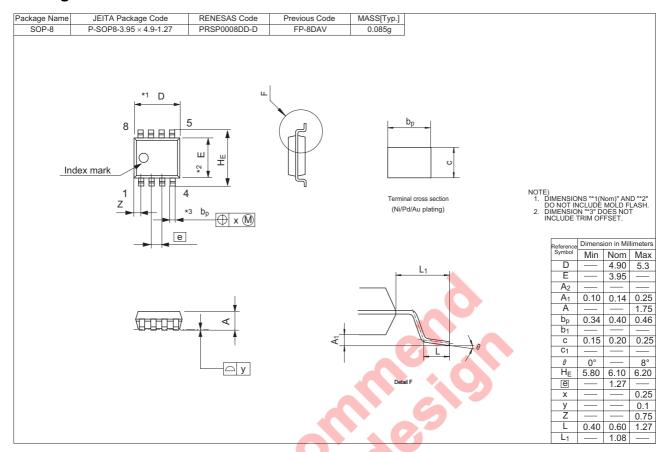
Main Characteristics







Package Dimensions



Ordering Information

Part No.	Quantity		Shipping Container
RJK0362DSP-00-J0	2500 pcs	T	aping

Renesas Technology Corp. sales Strategic Planning Div. Nippon Bldg., 2-6-2, Ohte-machi, Chiyoda-ku, Tokyo 100-0004, Japan

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Renesas Technology America, Inc

450 Holger Way, San Jose, CA 95134-1368, U.S.A Tel: <1> (408) 382-7500, Fax: <1> (408) 382-7501

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Renesas Technology Hong Kong Ltd.
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1 Harbour Front Avenue, #06-10, Keppel Bay Tower, Singapore 098632 Tel: <65> 6213-0200, Fax: <65> 6278-8001

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Renesas Technology Malaysia Sdn. Bhd
Unit 906, Block B, Menara Amcorp, Amcorp Trade Centre, No.18, Jln Persiaran Barat, 46050 Petaling Jaya, Selangor Darul Ehsan, Malaysia Tel: <603> 7955-9390, Fax: <603> 7955-9510

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