

RJJ0601JPN

Silicon P Channel MOS FET High Speed Power Switching

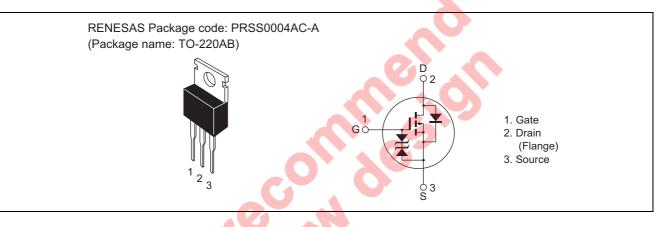
> REJ03G1602-0100 Rev.1.00 Nov 21, 2007

> > 2500

Features

- Low on-resistance $R_{DS(on)} = 8.2 \text{ m}\Omega \text{ typ.}$
- Capable of 4.5 V gate drive
- High speed switching

Outline



Absolute Maximum Ratings

		$(Ta = 25^{\circ}C)$	
Item	Symbol	Value	Unit
Drain to source voltage	V _{DSS}	-60	V
Gate to source voltage	V _{GSS}	±20	V
Drain current	I _D	-90	А
Drain peak current	I _D (pulse) ^{Note1}	-360	А
Body-drain diode reverse drain current	I _{DR}	-90	А
Avalanche current	I _{AP} ^{Note3}	-40	А
Avalanche energy	E _{AR} ^{Note3}	137	mJ
Channel dissipation	Pch ^{Note2}	90	W
Channel temperature	Tch	150	۵°
Storage temperature	Tstg	-55 to +150	°C

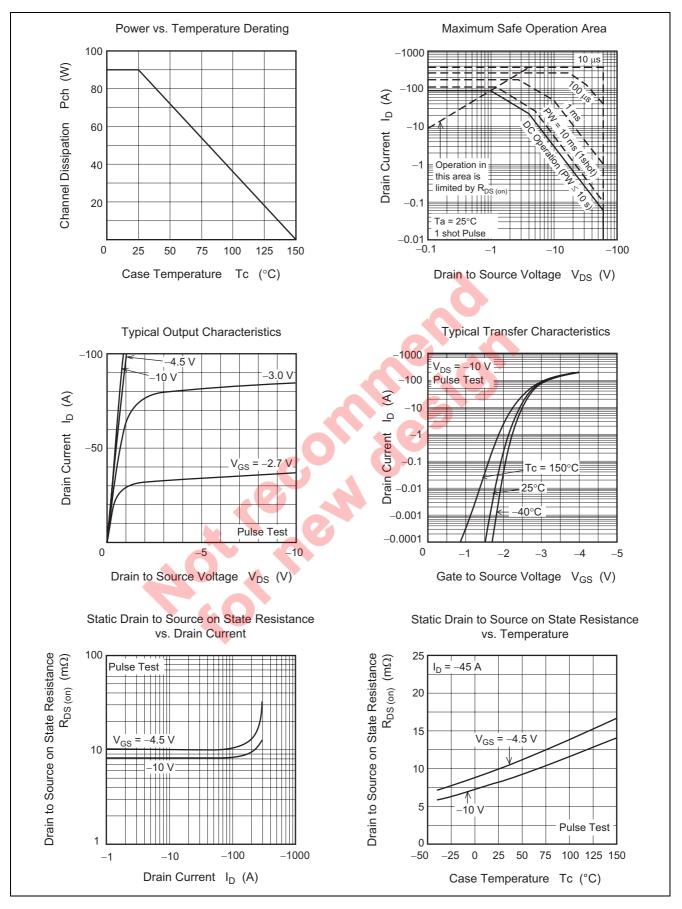
Notes: 1. $PW \le 10 \ \mu s$, duty cycle $\le 1\%$

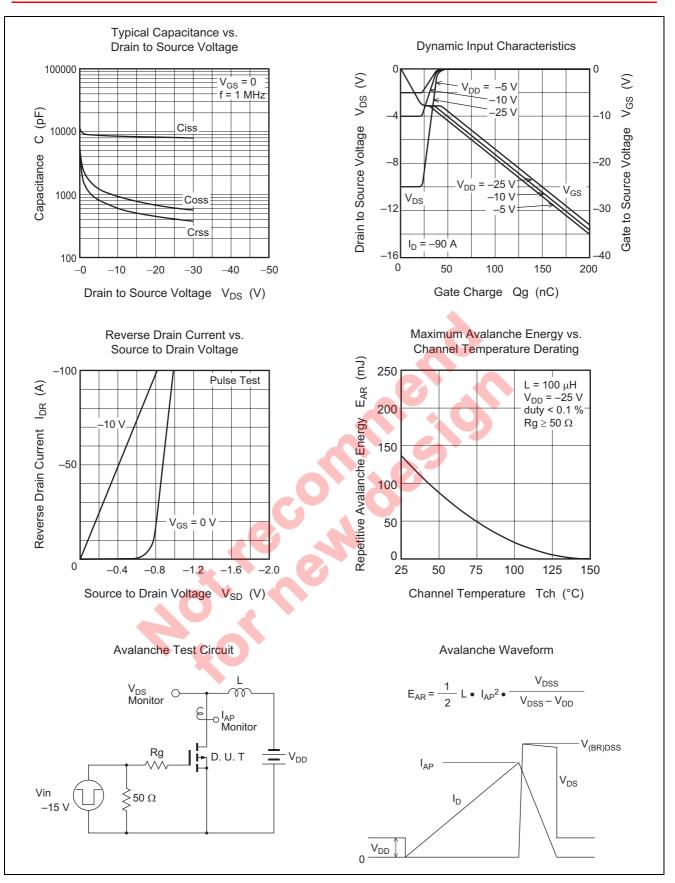
2. Value at Tc = 25°C

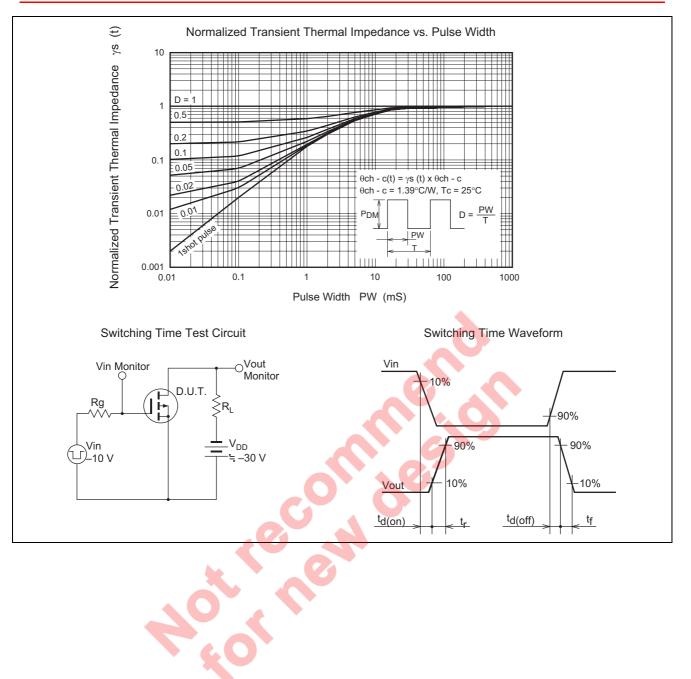
3. Value at Tch = 25° C, Rg $\geq 50 \Omega$

Electrical Characteristics

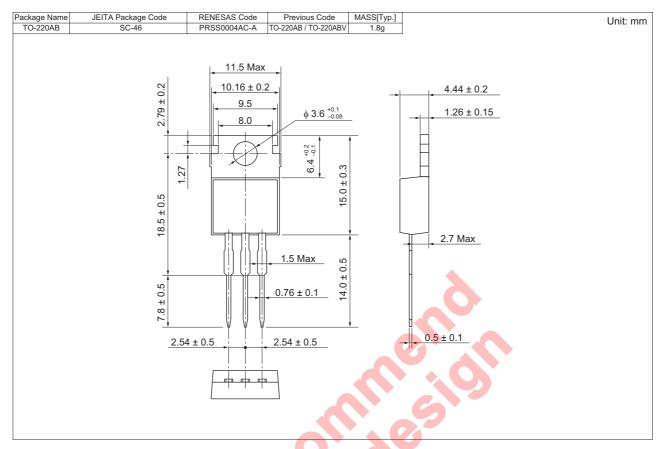
Main Characteristics







Package Dimensions



Ordering Information

Part No.	Quantity	Shipping Container
RJJ0601JPN-00-02	500 pcs	Box (Sack)

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