

RJK1212DPA

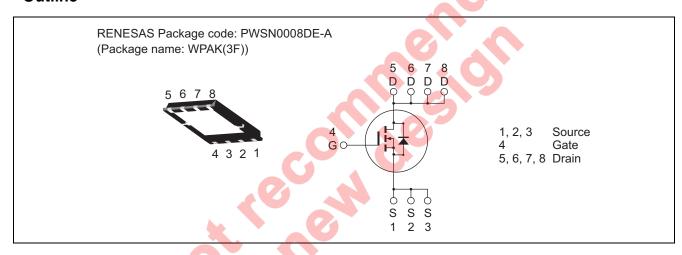
120V, 3A, 310m Ω max. N Channel Power MOS FET High Speed Power Switching

R07DS0091EJ0400 Rev.4.00 Apr 11, 2013

Features

- High speed switching
- Capable of 4.5 V gate drive
- Low drive current
- High density mounting
- Low on-resistance
- Pb-free
- Halogen-free

Outline



Absolute Maximum Ratings

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

Item	Symbol	Ratings	Unit
Drain to source voltage	V _{DSS}	120	V
Gate to source voltage	V _{GSS}	+12, -5	V
Drain current	I _D	3	A
Drain peak current	I _{D(pulse)} Note1	9	A
Body-drain diode reverse drain current	I _{DR}	3	A
Avalanche current	I _{AP} Note 2	2	A
Avalanche energy	E _{AS} Note 2	0.34	mJ
Channel dissipation	Pch Note3	15	W
Channel to case thermal impedance	θch-c Note3	8.33	°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%

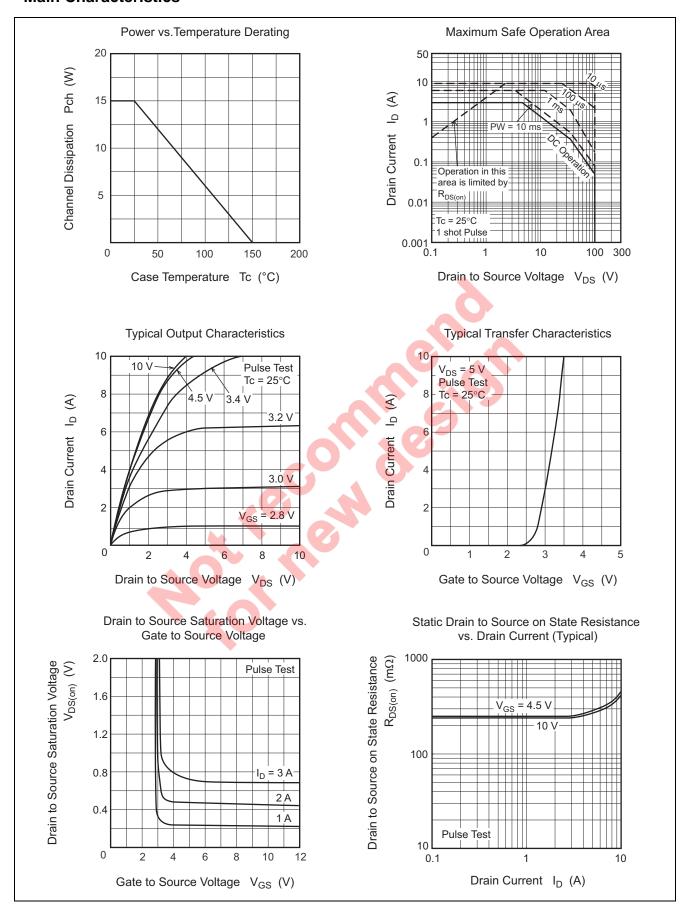
- 2. Value at Tch = 25°C, Rg \geq 50 Ω
- 3. $Tc = 25^{\circ}C$

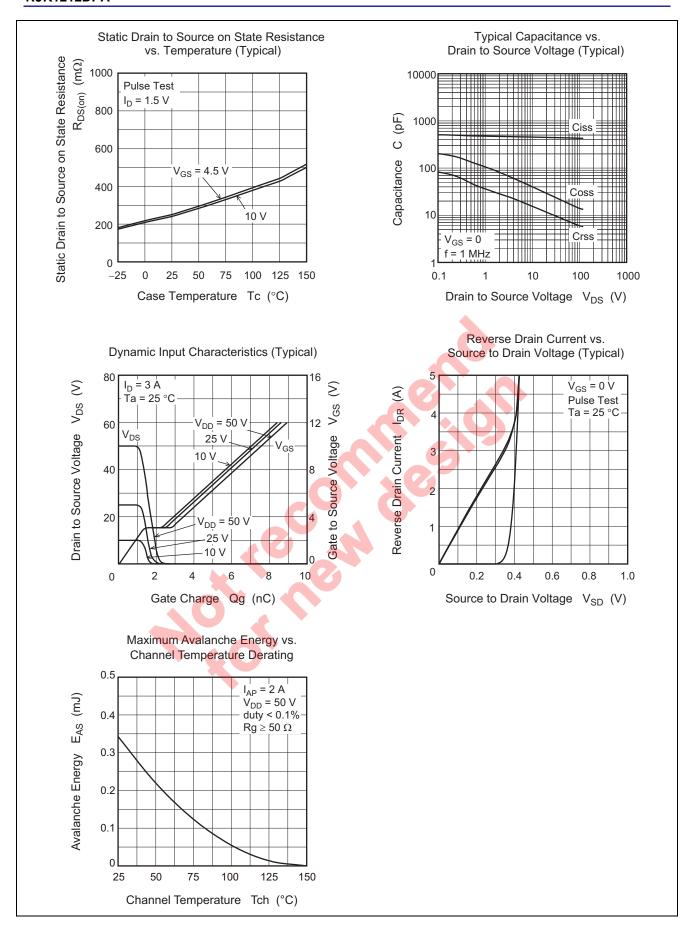
Electrical Characteristics

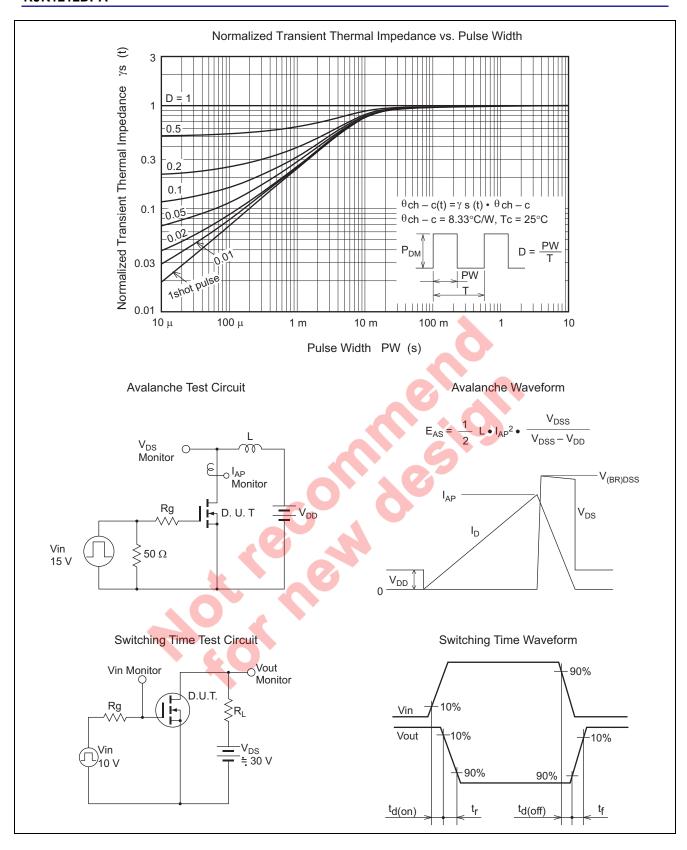
 $(Ta = 25^{\circ}C)$

Notes: 4. Pulse test

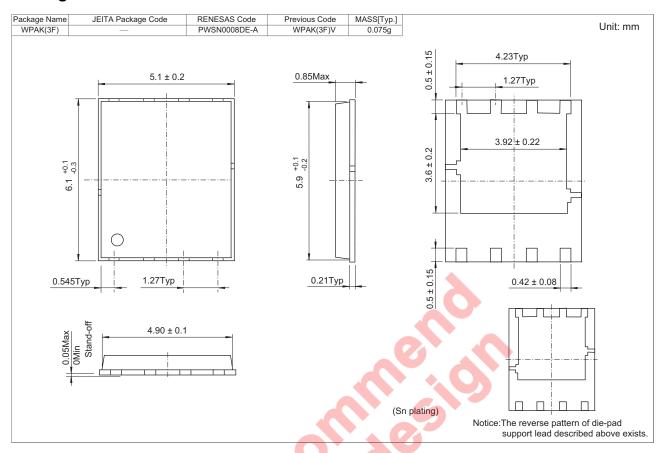
Main Characteristics







Package Dimensions



Ordering Information

Orderable Part Number	Quantity		Shipping Container
RJK1212DPA-00-J5A	3000 pcs	Tapiı	ng

Note: The symbol of 2nd "-" is occasionally presented as "#".

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