

Rev.A Nov.-2022

SGIQ 6Ø6D0;0 S P RV

P-Channel Enhancement Mode Field Effect Transistor in a PDFN 3Ø3A-8L Plastic Package.

$V_{DS} (V) = -30V$

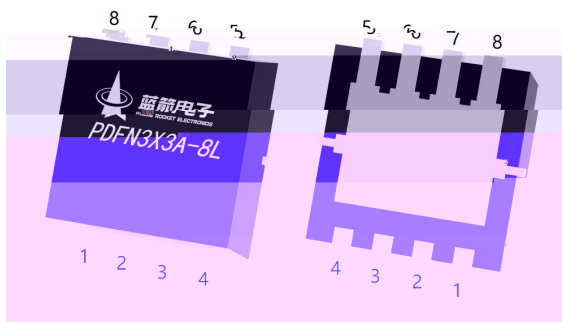
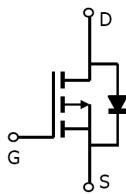
$I_D = -45A (V_{GS} = \pm 20V)$

$R_{DS(ON)} @ -10V \leq 7.5mR (Typ. 6.5mR)$

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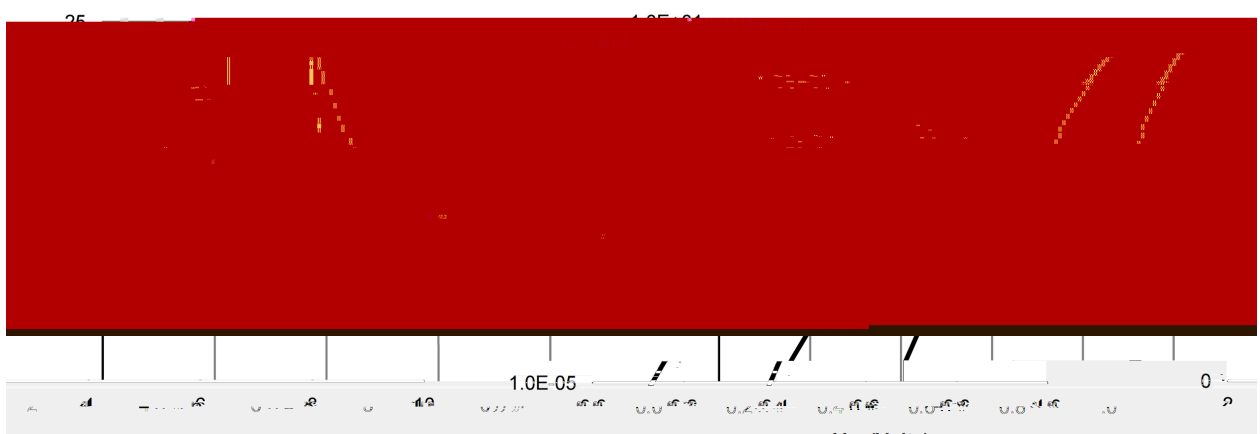
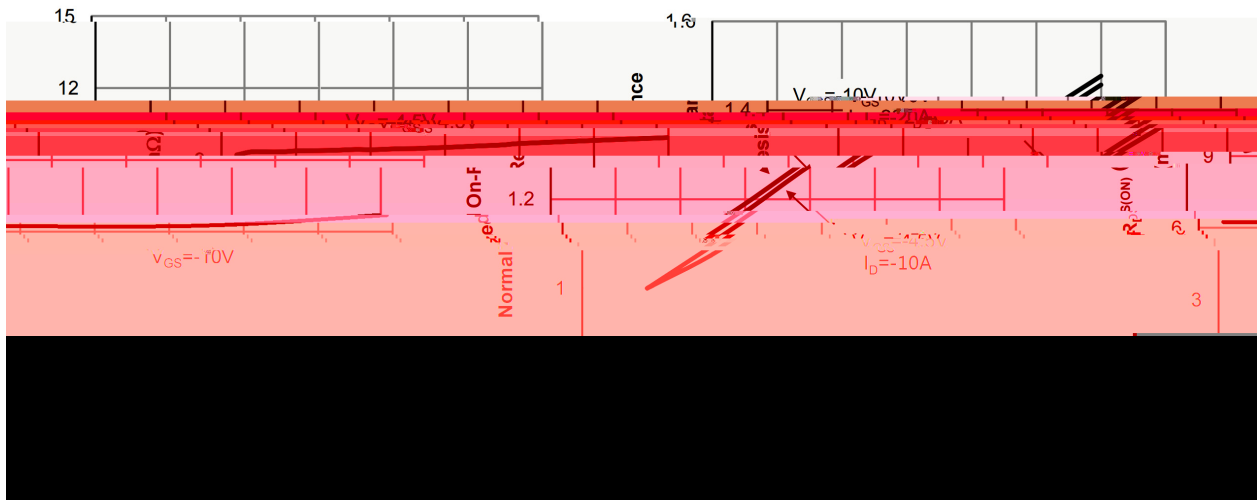
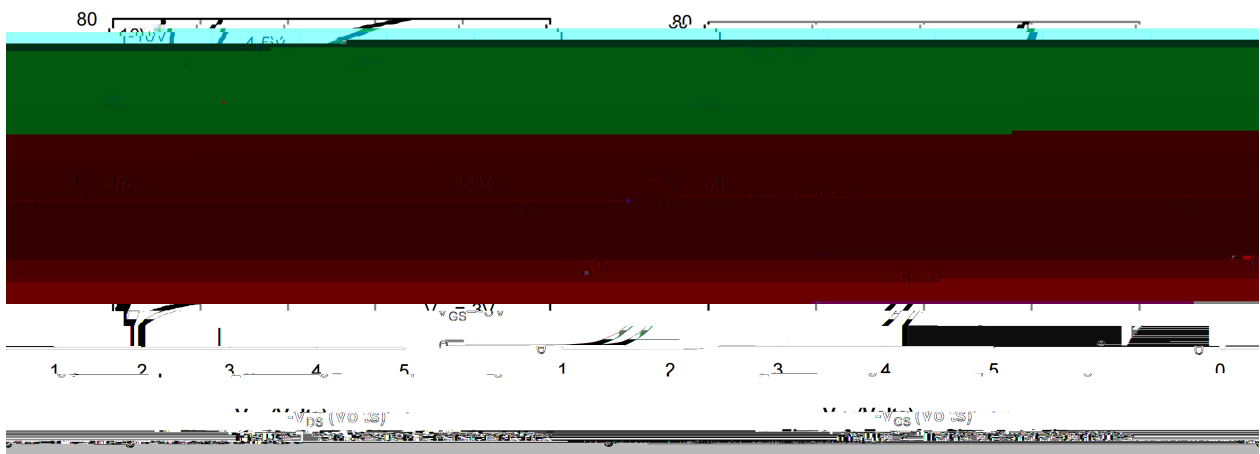
Notebook AC-in load switch, Battery protection charge/discharge.



出脚	定义
Pin1	S
Pin2	S
Pin3	S
Pin4	S
Pin5	S
Pin6	S
Pin7	S
Pin8	S

See Marking Instructions.

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Turn-On Delay Time	$t_{d(on)}$	$V_{GS}=-10V$ $V_{DS}=-15V$ $R_L=0.75\Omega$ $R_{GEN}=3\Omega$		12.5		ns
Turn-On Rise Time	t_r			19		
Turn-Off Delay Time	$t_{d(off)}$			125		
Turn-Off Fall Time	t_f			67		

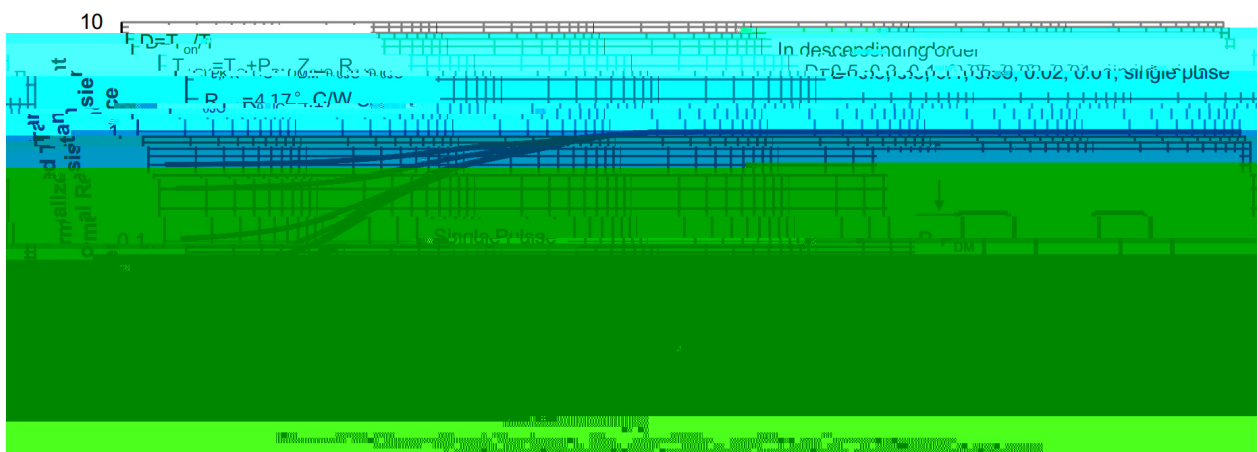
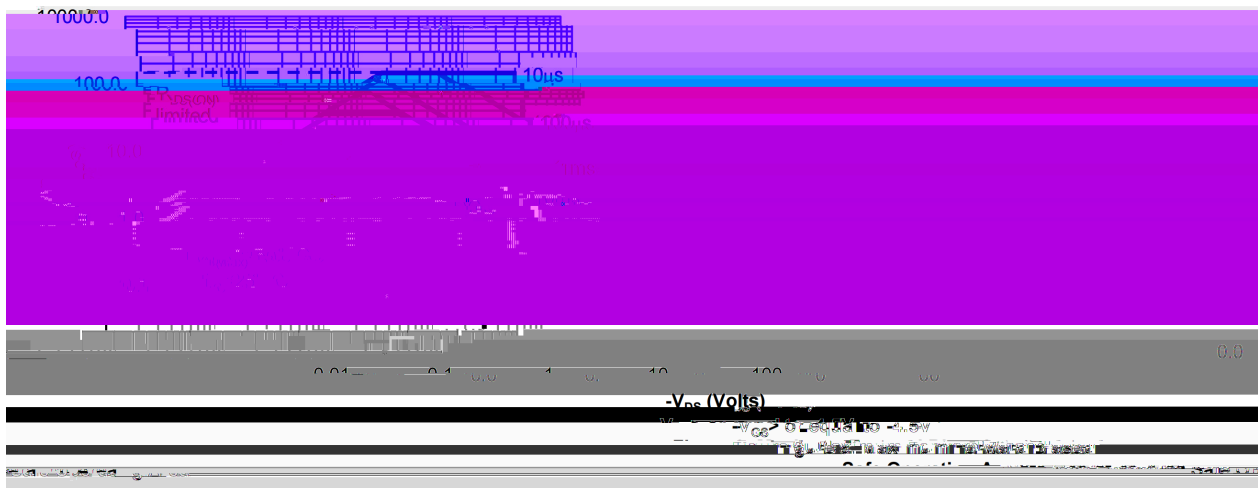
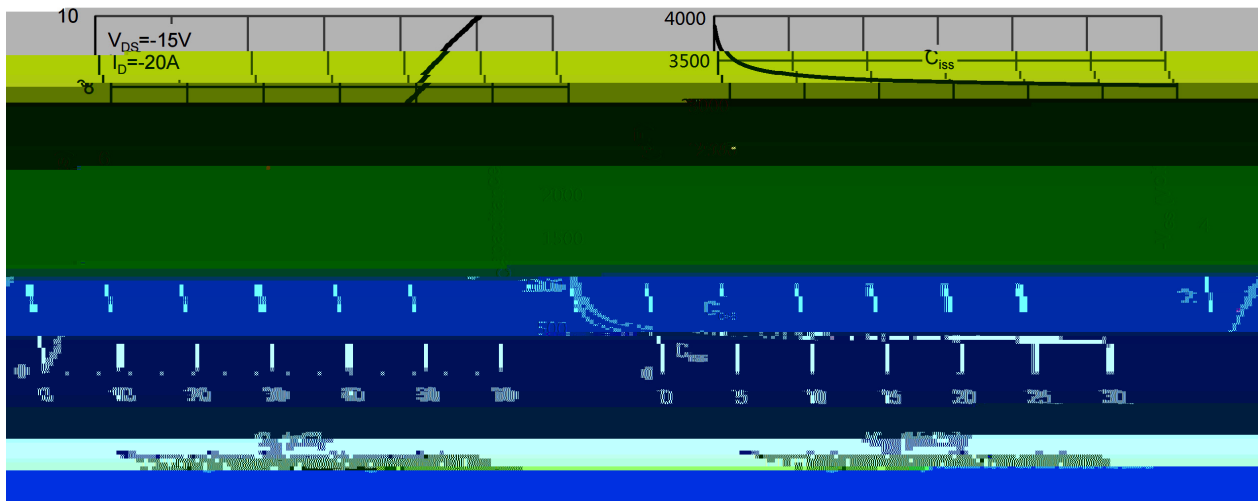


ode Characteristics

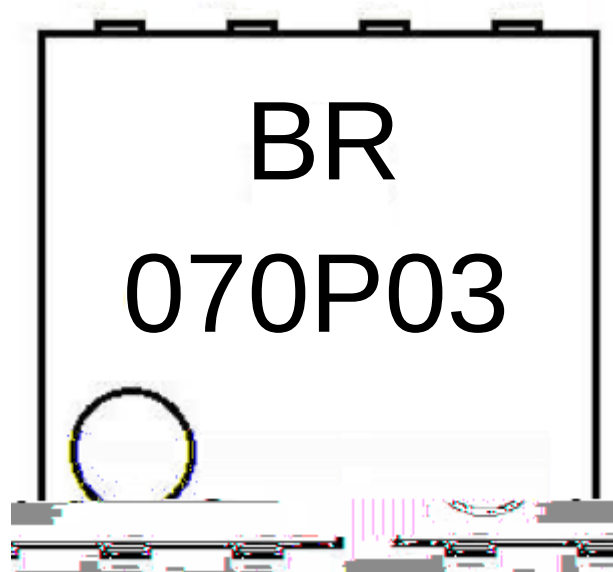
Figure 5: On-Resistance vs. Gate-Source Voltage

Figure 6: Body-Di

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Unit:n



BR

070P03

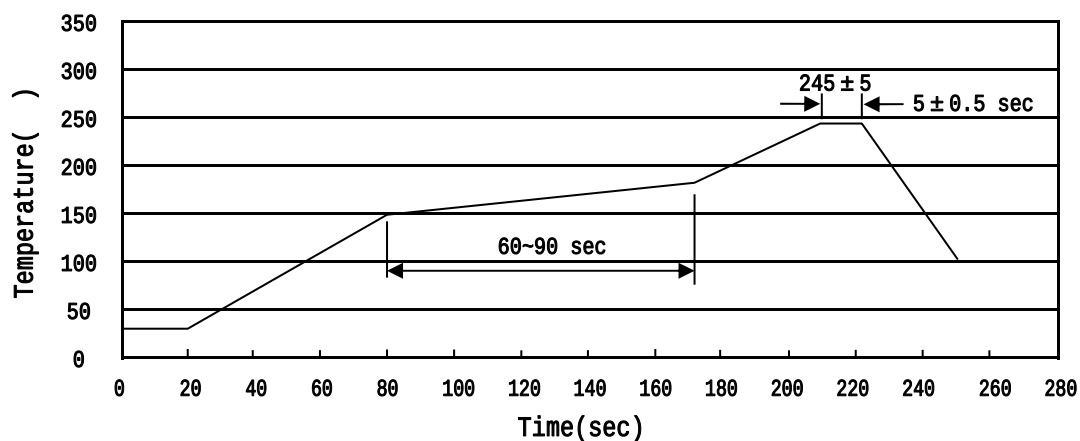
Note:

BR: Company Code

070P03: Product Type Code

****: Lot No. Code, code change with Lot No

Temperature Profile for IR Reflow Soldering(Pb-Free)



Note:

- | | | | | | |
|---|-----|------|----------|-----------|---|
| 1 | 150 | 180% | 60 | 90sec; | 1.Preheating:150~180%, Time:60~90sec. |
| 2 | 245 | ± 5% | 5 | ± 0.5sec; | 2.Peak Temp.:245 ± 5%, Duration:5 ± 0.5sec. |
| 3 | | 2 | 10%/sec. | | 3. Cooling Speed: 2~10%/sec. |

260 ± 5% 10 ± 1 sec. Temp.:260 ± 5% Time:10 ± 1 sec

/ REEL

Package Type	Units					Dimension (unit mm ³)		
PDFN3×3A-8L	5,000	2	10,000	6	60,000	13 ×12	360×360×50	380×335×366