

Rev.A Nov.-2022

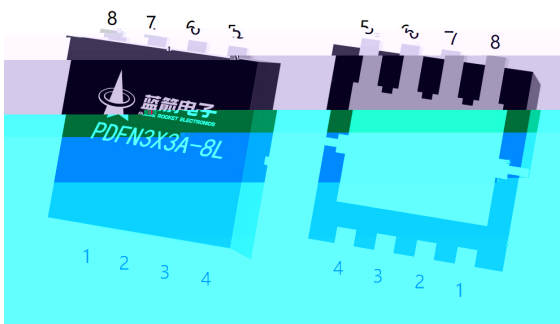
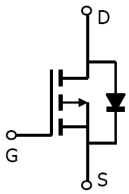
P-Channel Enhancement Mode Field Effect Transistor in a PDFN 3 3A-8L Plastic Package.

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

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

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

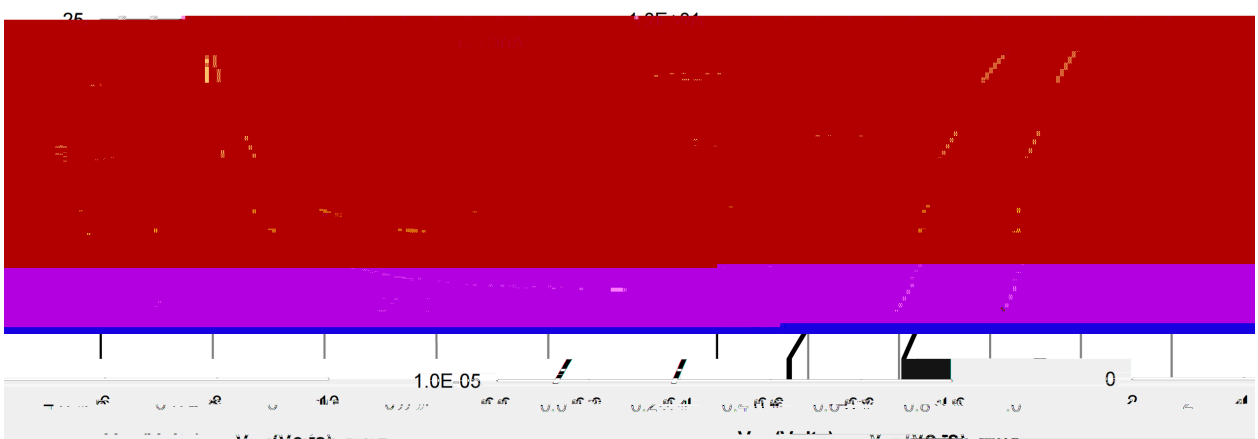
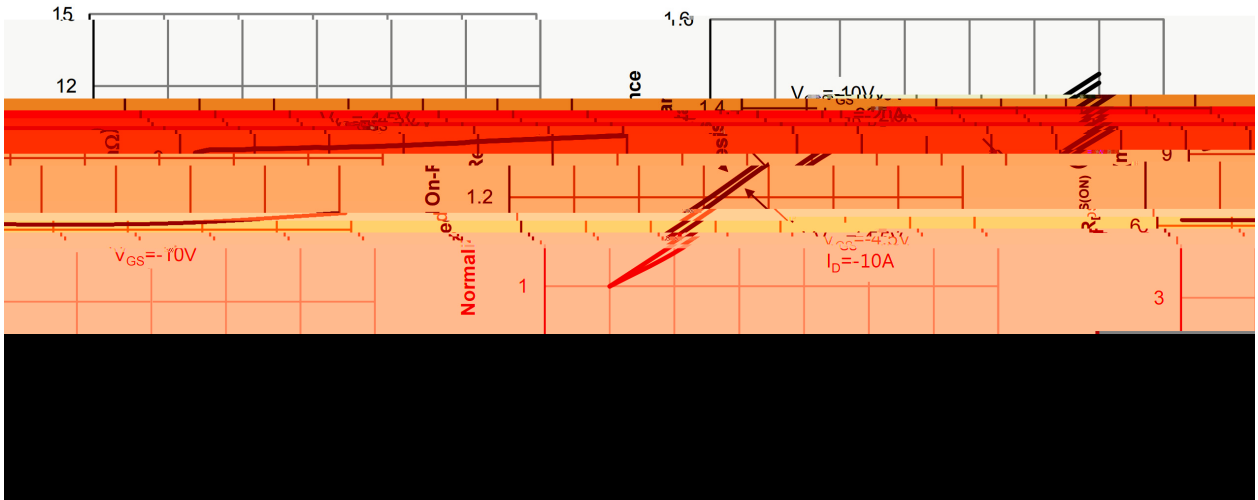
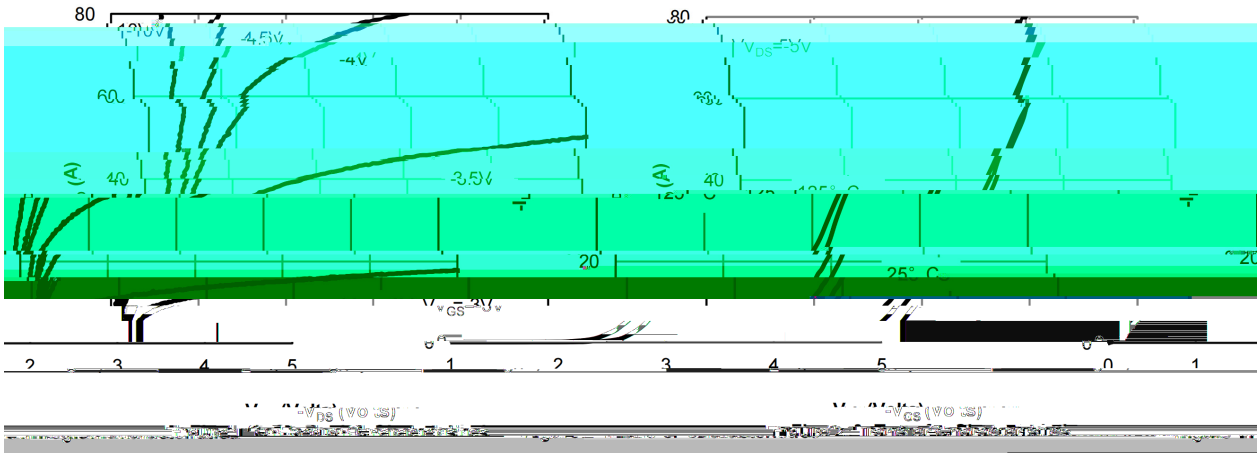
Notebook AC-in load switch, Battery protection charge/discharge.



| 出脚 | 定义 |
|------|----|
| Pin1 | S |
| Pin2 | C |
| 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 | $t_{d(on)}$ | $V_{GS}=-10V$ $V_{DS}=-15V$ $R_L=0.75$ $R_{GEN}=3$ | | 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 | | |

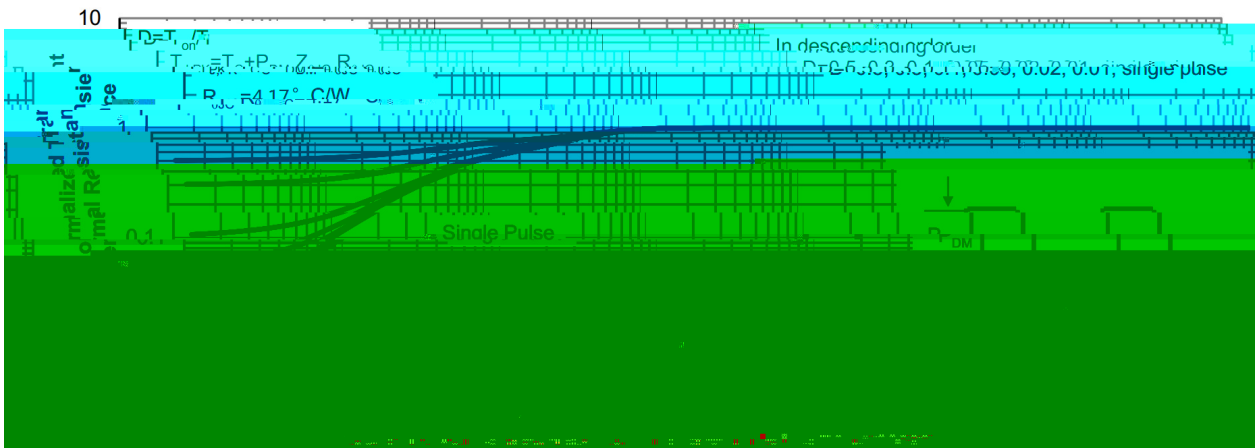
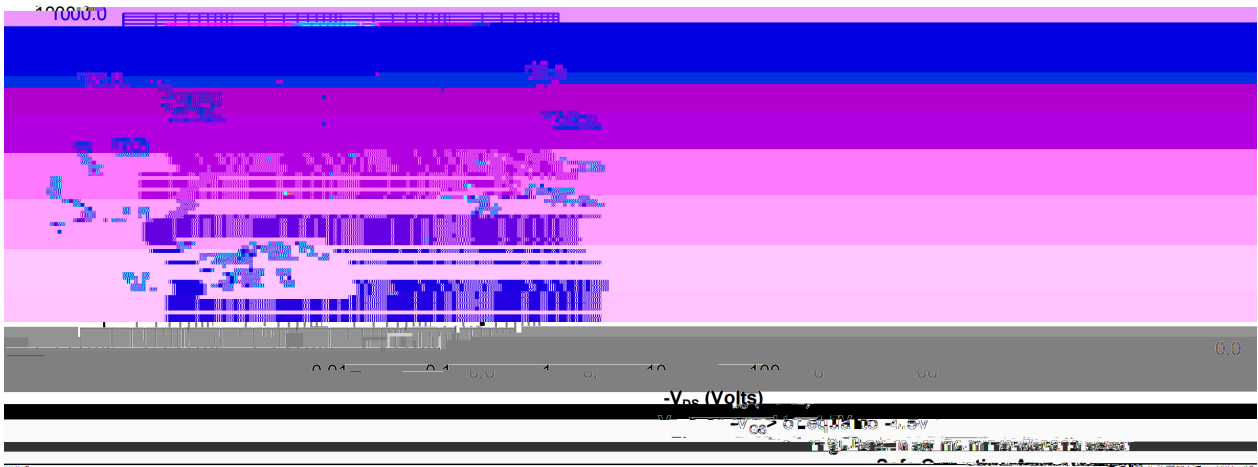
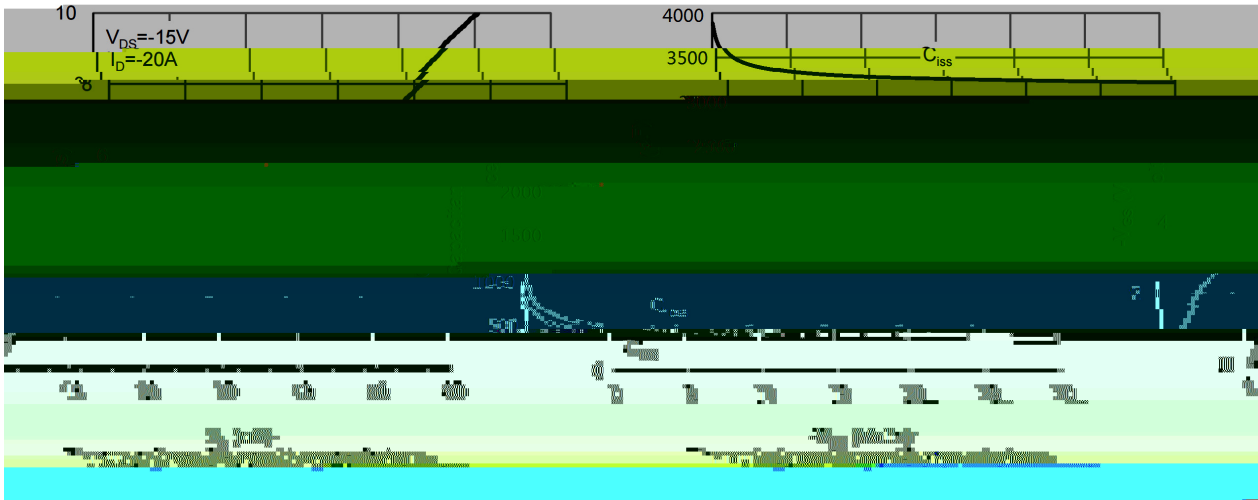


Characteristics

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

Figure 6: Body-Diode Chara

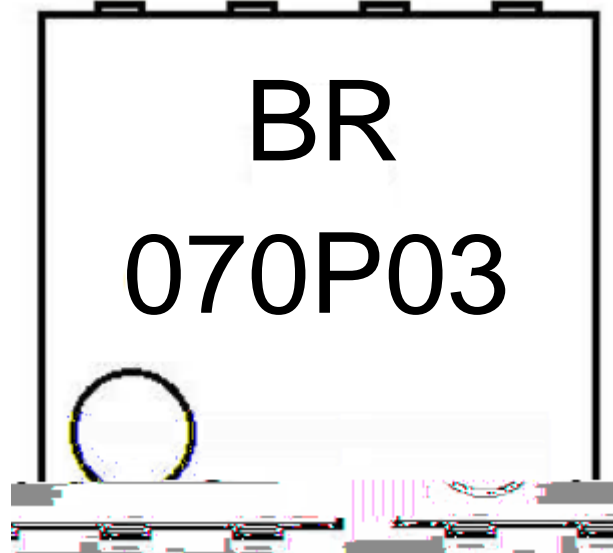
/





Unit:n





BR

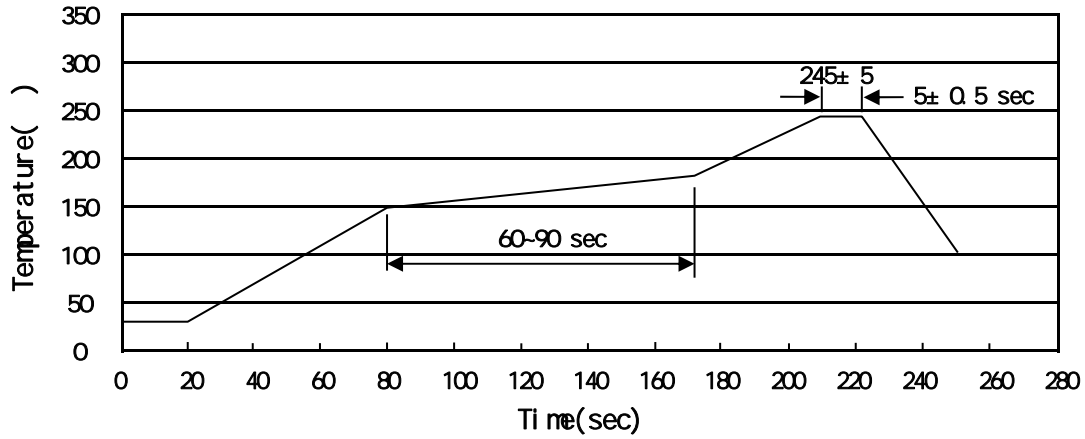
070P03

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) | | |
|--------------|------------|-----------------|-----------------|-----------------------|-----------------|-----------------------------------|------------|-------------|
| | Units/Reel | Reels/Inner Box | Units/Inner Box | Inner Boxes/Outer Box | Units/Outer Box | Reel | Inner Box | Outer Box |
| PDFN3x3A-8L | 5,000 | 2 | 10,000 | 6 | 60,000 | 13 x12 | 360x360x50 | 380x335x366 |