## / Revised record

| | | | | | |
|---|---|---|---|---|---|
| A | 2022.07.15 | All | AOS-AONS21307 | | |
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## / Descriptions

PDFN5×6 P
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P-Channel MOSFET in a PDFN5 × 6 Plastic Package.

## / Features

Low $R_{DS(ON)}$ to minimize conductive loss;low Gate Charge for fast switching;Low Thermal resistance; HF Product.

## / Applications

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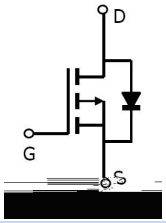
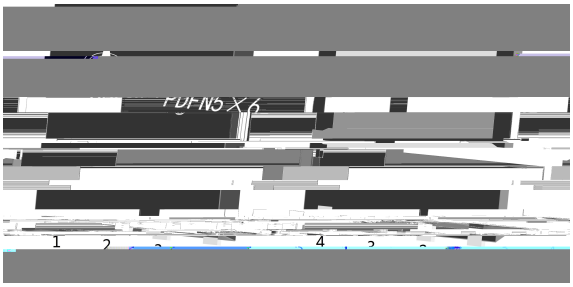
Notebook AC-in load switch, Battery Protection Charge/Discharge.

## / Equivalent Circuit




## / Pinning




PIN1、2、3： S PIN4：G PIN5、6、7、8：D

| Pin | 极性 |
|---|---|
| 1 | S |
| 2 | S |
| 3 | S |
| 4 | G |
| 5 | D |
| 6 | D |
| 7 | D |
| 8 | D |

## / Marking

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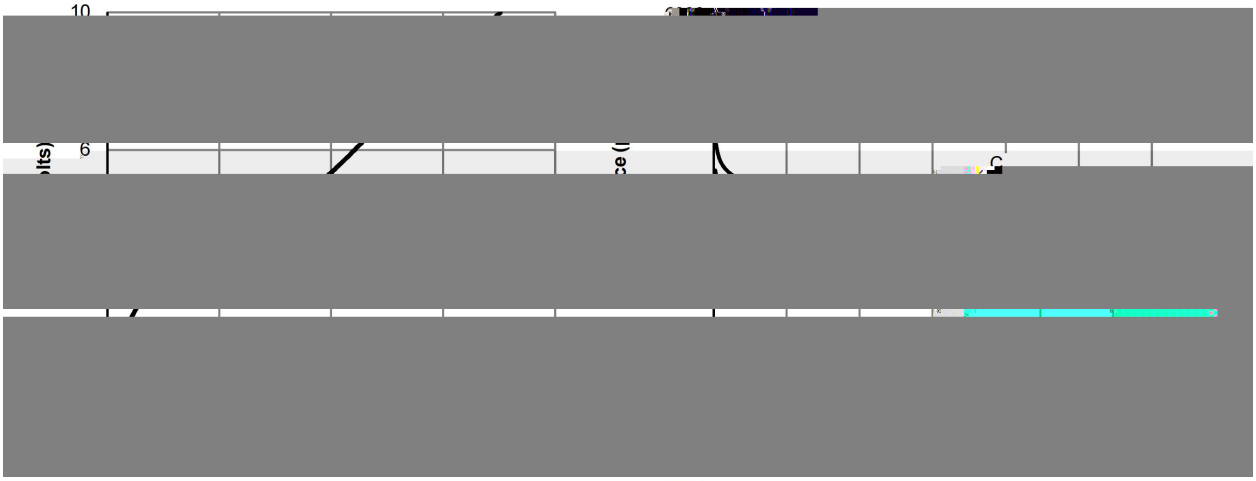
See Marking Instructions.

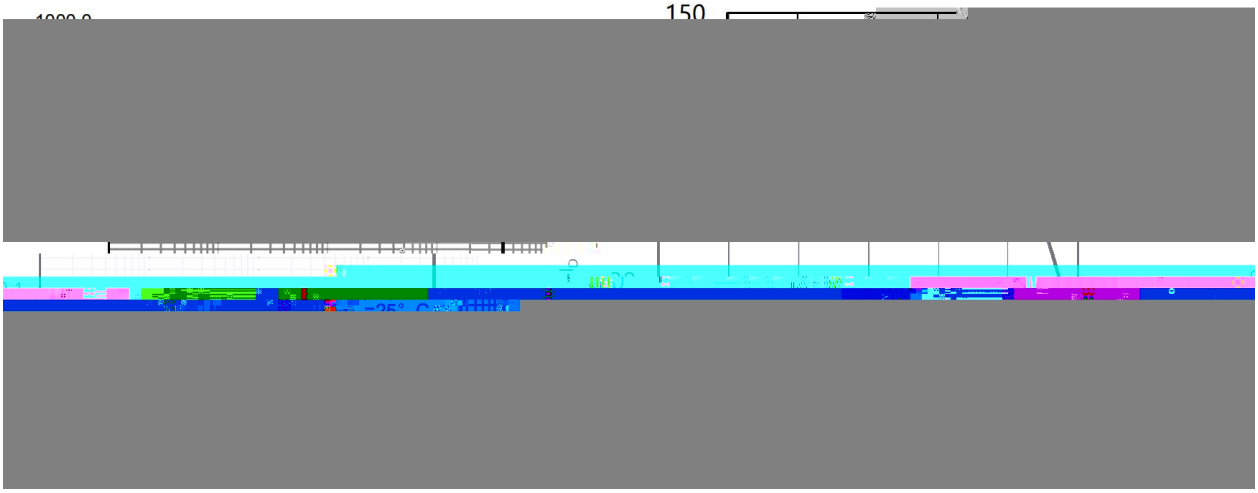
| Parameter | Symbol | Rating | Unit |
|---|---|---|---|
| Drain-Source Voltage | $V_{DS}$ | -40 | V |
| Drain Current - Continuous | $I_D(T_c=25℃)$ | -45 | A |
| Drain Current – Pulsed | $I_{DM}$ | -120 | A |

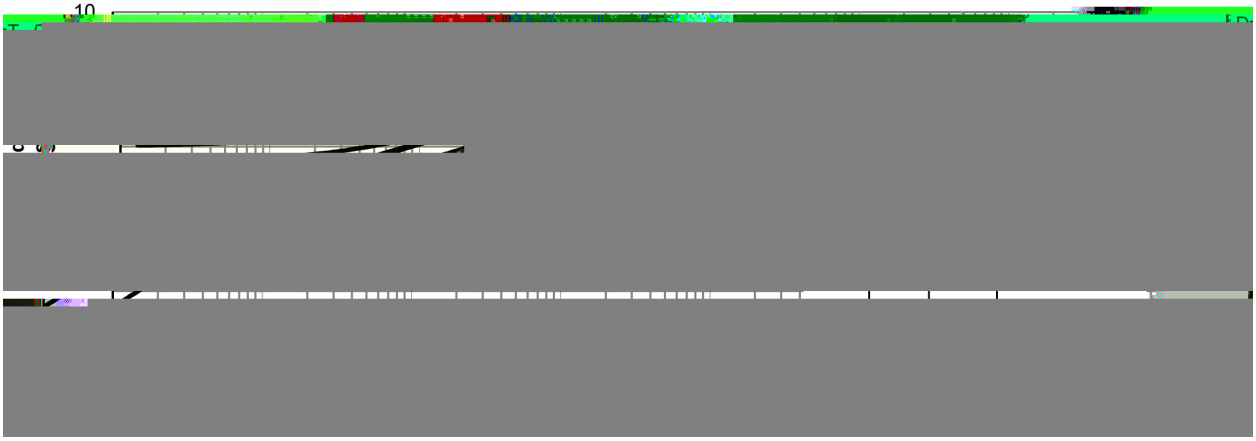
# BRCS120P04ZC

Rev.A Jul

## / Electrical Characteristic Curve



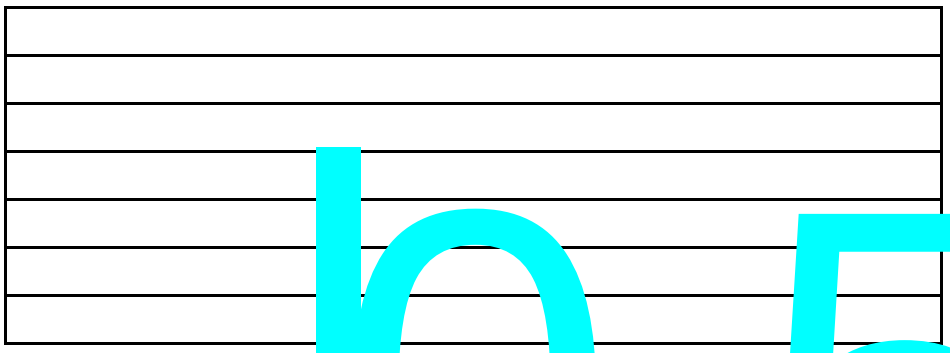



## / Package Dimensions

# BRCS120P04ZC

Rev.A Jul.

## ( ) / Temperature Profile for IR Reflow Soldering(Pb-Free)



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| | | | | |
|---|---|---|---|---|
| 1 | 150 | 180 | 60 | Time:60 |
| 2 | 245±5 | | 5±0.5sec, | 2.Peak Tem 245±5℃, 5±0.5sec. |
| 3 | | 2 | 10℃/sec. | 3. Cooling Speed: 2~10℃/sec. |