| | | | | | | |
|---|---|---|---|---|---|---|
| | | | | | | |
| A | 2022.07.15 | All | AOS-AON | | | |
| A | 2022-7-20 | all | Q<br>,<br>±5℃ | | 5±0.5sec | |
| | | | | | | |

## / Descriptions

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

## / Features

AEC-Q101

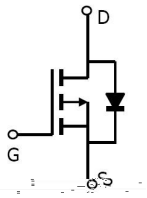
Low $R_{DS(ON)}$ to minimize conductive loss;low Gate Charge for fast switching;Low Thermal resistance; Qualified to AEC-Q101 Standards for High Reliability; HF Product.

## / Applications

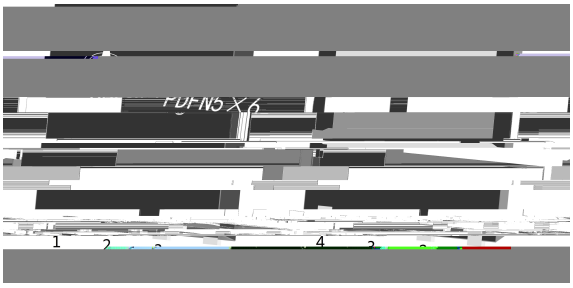
/

Notebook AC-in load switch, Battery Protection Charge/Discharge, Meet the stringent requirements of automotive applications.

## / 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

见印章说明。
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 |
| Gate-Source Voltage | $V_{GS}$ | ± 20 | V |

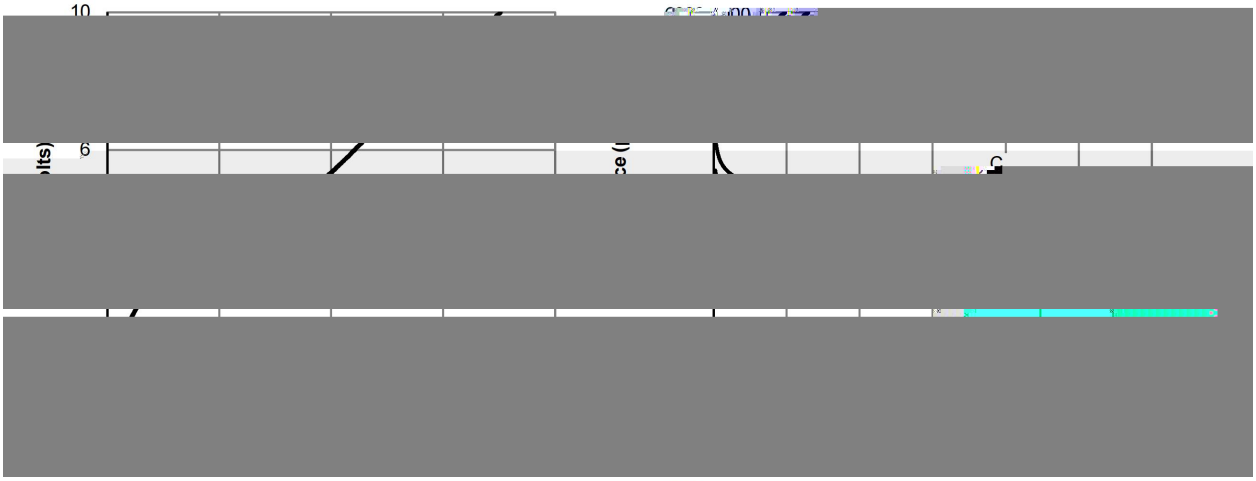
c

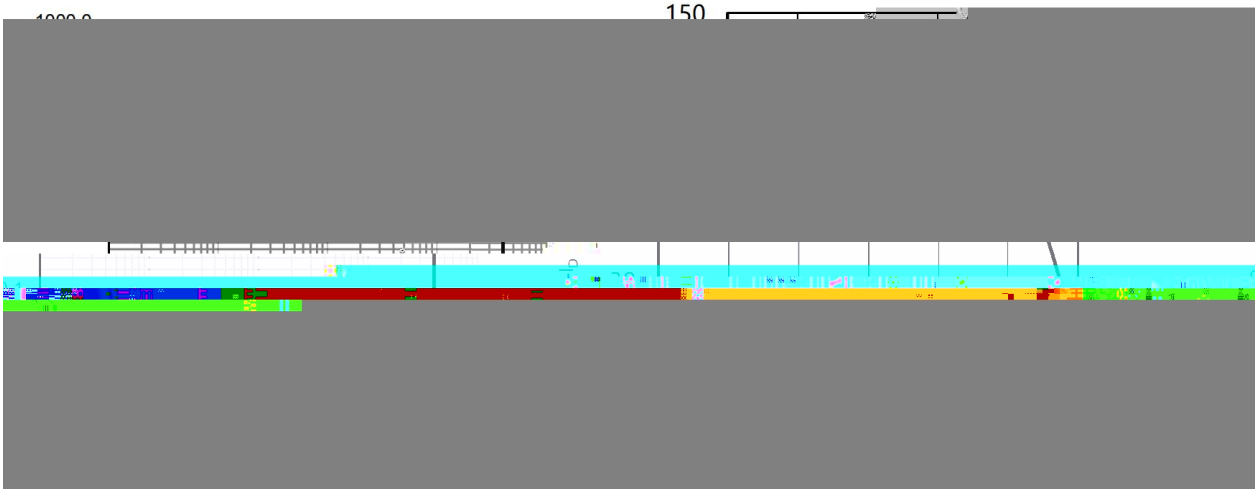


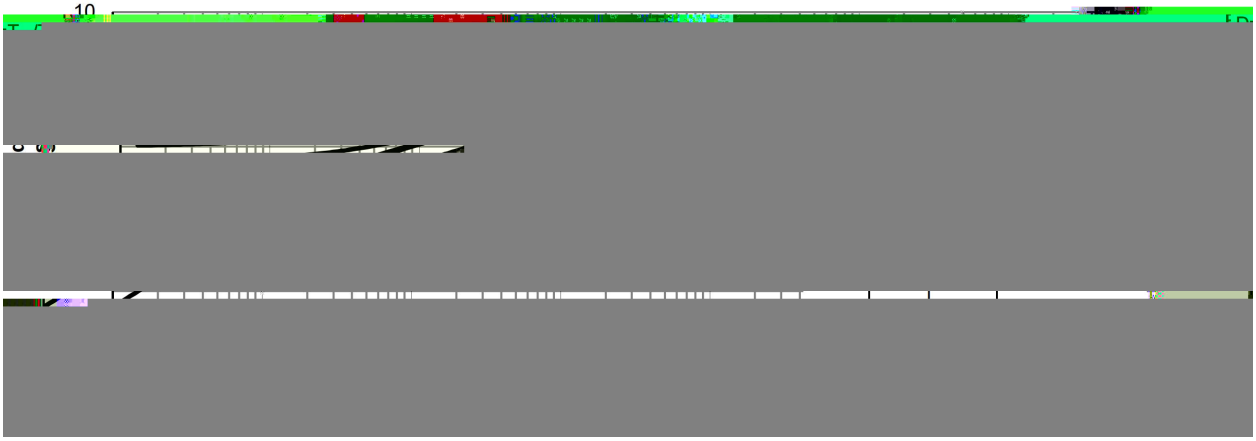
-

| Parameter | Symbol | Test Conditions | Min | Typ | Max | Unit |
|---|---|---|---|---|---|---|

## / Electrical Characteristic Curve



## / Package Dimensions



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