

A	2022.07.15	All	AOS-AON			
A	2022-7-20	all	Q ±5°C	5±0.5sec		

/ Descriptions

PDFN5×6 P

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

/ Features

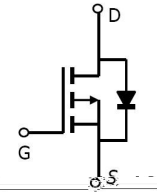
AEC-Q101

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.

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Parameter	Symbol	Rating	Unit
Drain-Source Voltage	V_{DS}	-40	V
Drain Current - Continuous	$I_D(T_c=25^\circ\text{C})$	-45	A
Drain Current – Pulsed	I_{DM}	-120	A
Gate-Source Voltage	V_{GS}	20	V

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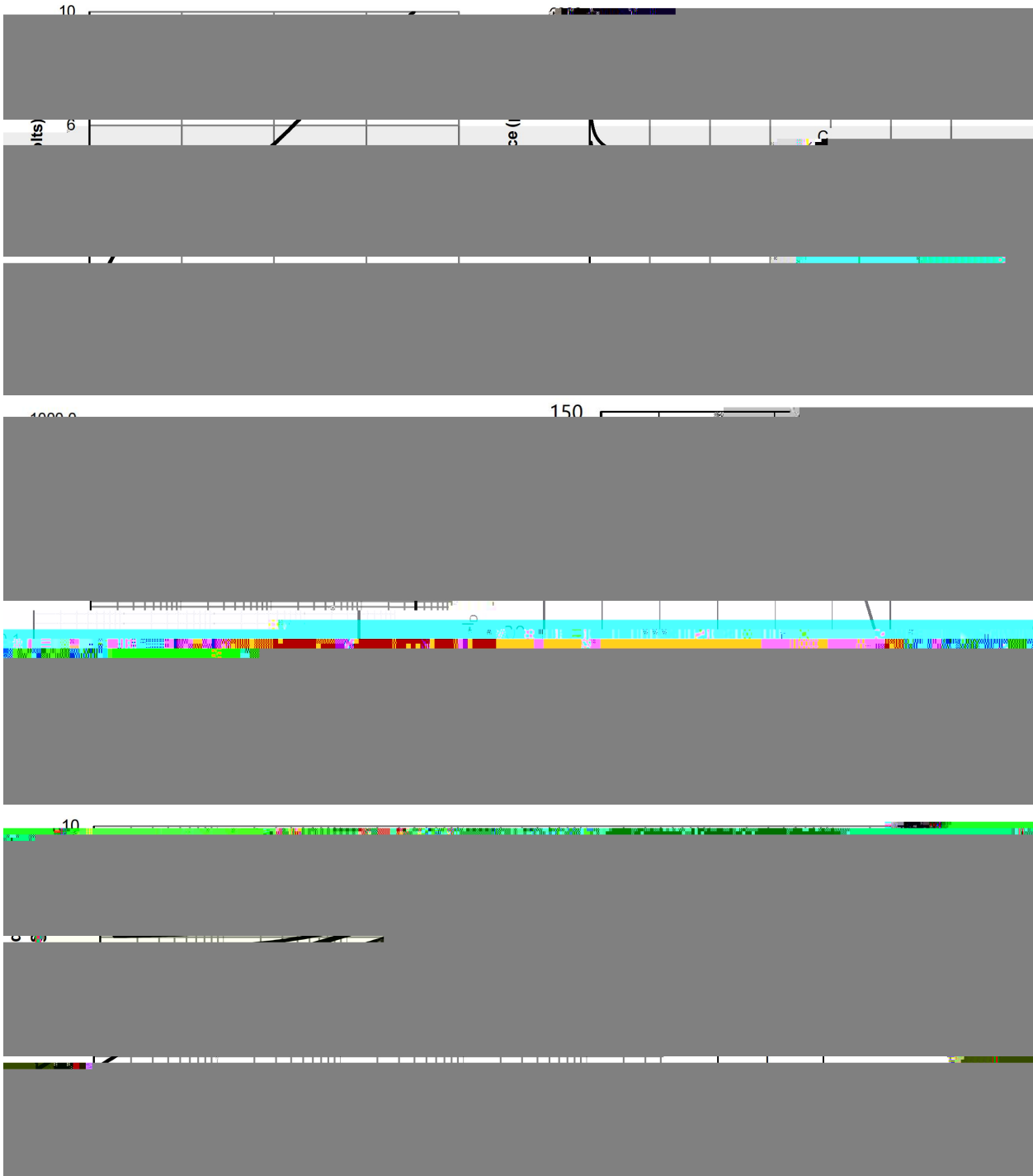
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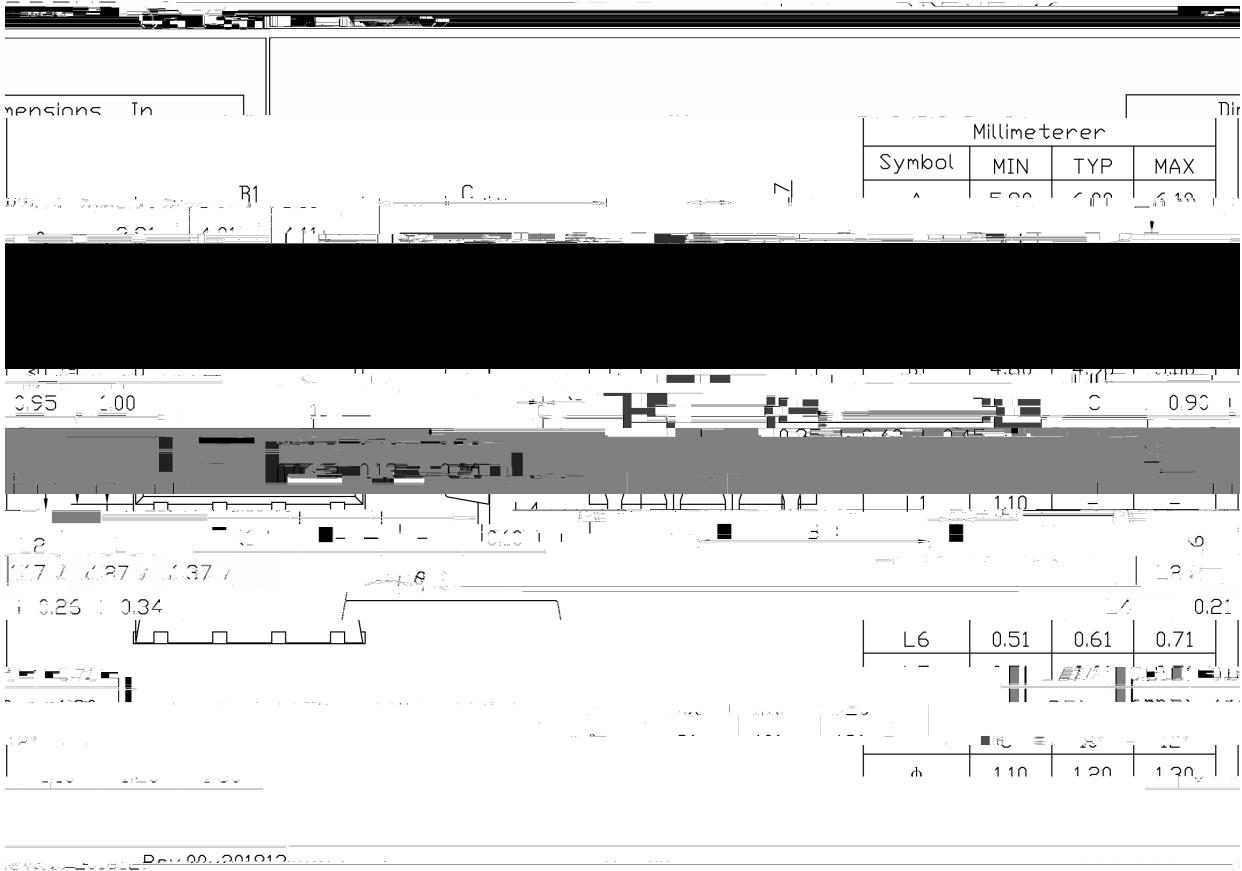
DATA SHEET

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
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/ Electrical Characteristic Curve



/ Package Dimensions



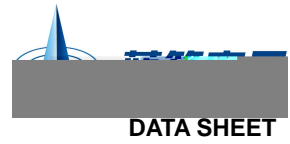
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() / Temperature Profile for IR Reflow Soldering(Pb-Free)