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

/ Descriptions

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

/ Features

AEC-Q101

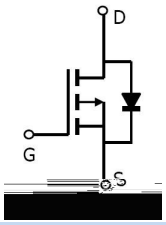
Low $R_{DS(ON)}$ to minimize conductive loss;low Gate Charge for fast switching;Low Thermal resistance; Qualified to AEC-Q101 Standards for High Reliability; HF Product.

/ Applications

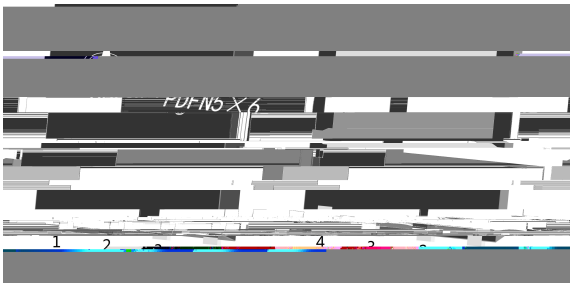
/

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.

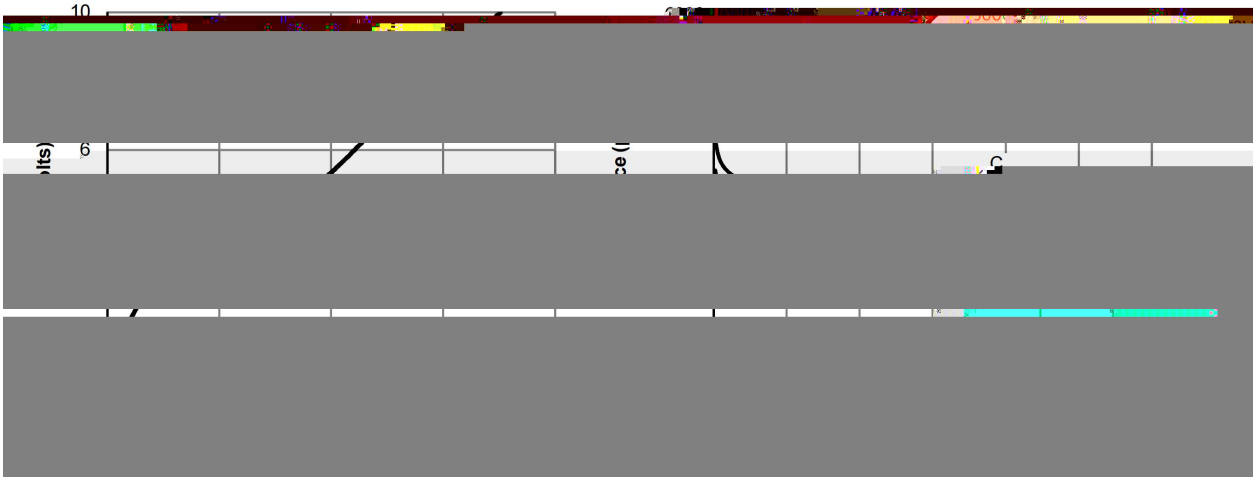
Parameter	! Symbol	" Rating	# $ Unit
Drain-Source Voltage	V_{DS}	-40	V
Drain Current - Continuous	I_D(T_c=25)	-45	A
Drain Current – Pulsed	I_{DM}	-120	A
Gate-Source Voltage	V_{GS}	± 20	V

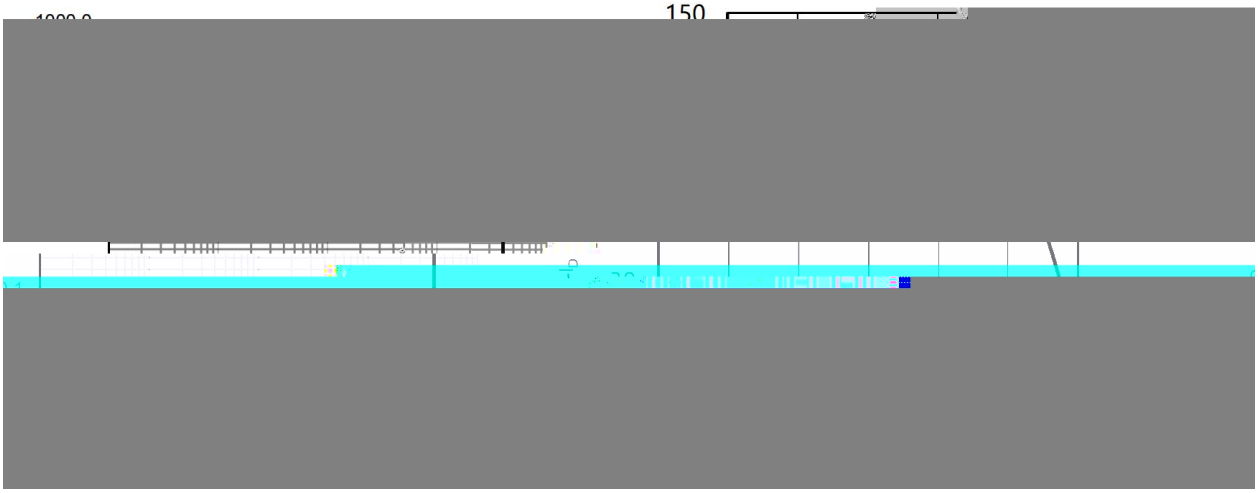
c

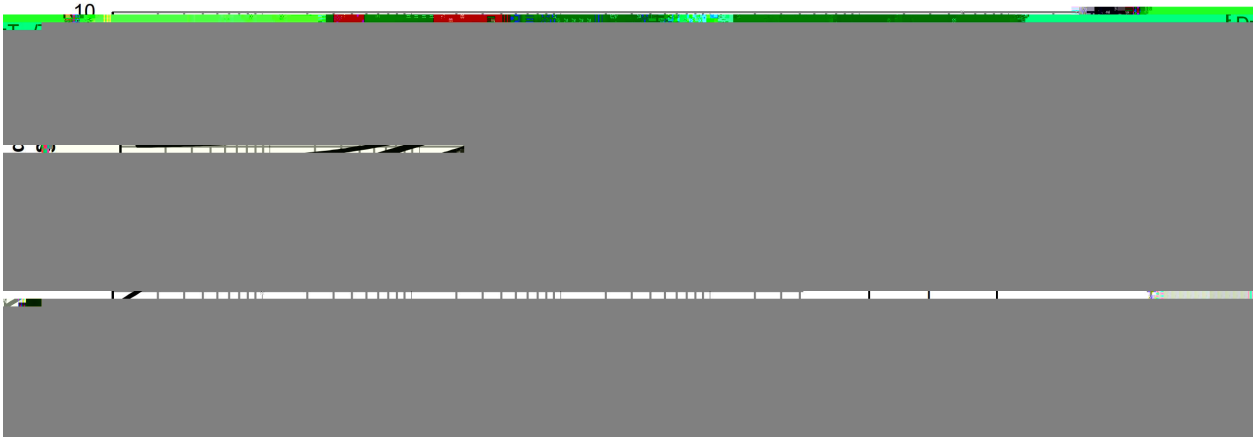
-

!	% & ' (	) * "	+ , "	) - "	# $
Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit

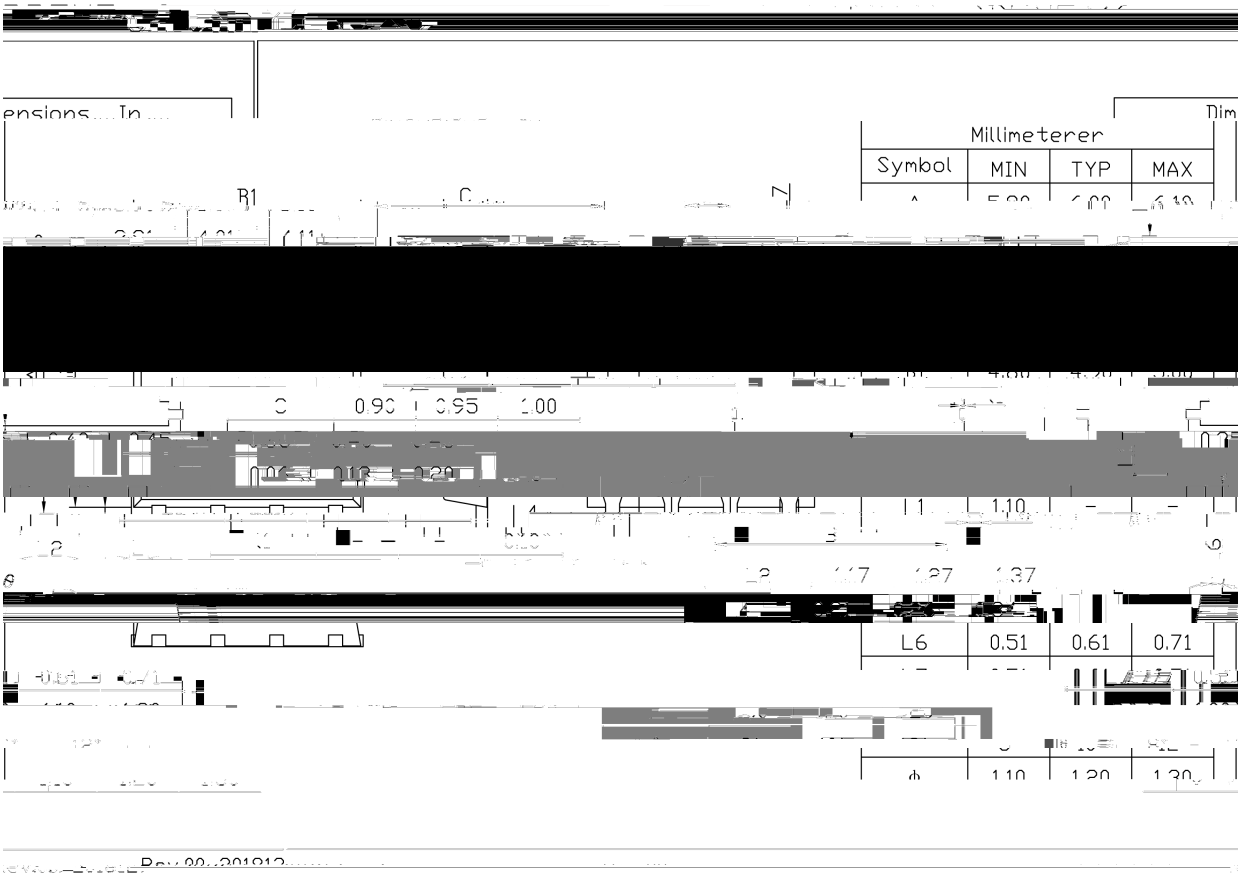
/ Electrical Characteristic Curve







/ Package Dimensions



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