



A	2021.04.18	All	AOS-AONS32306		
B	2021.05.26	2	PK632BA	ID PD	
			Rth		
C	2021.09.01	1,5		+ ID-TJ	



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

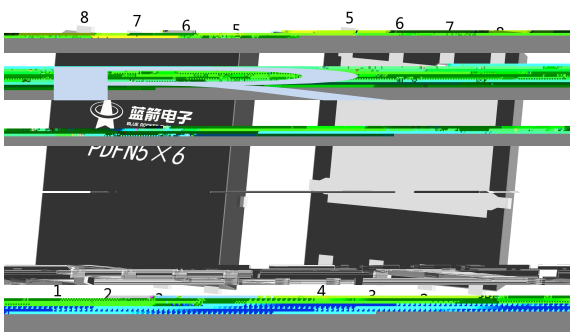
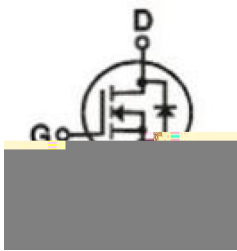
Low  $R_{DS(ON)}$  to minimize conductive loss;low Gate Charge for fast switching;Low Thermal resistance;HF Product.

MB/NB/UMPC/VGA

Buck

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Battery Management,High Frequency Point-of-Load Synchronous Buck Converter for MB/NB/UMPC/VGA,Networking DC-DC Power System,Load Switch.



PIN1、2、3: S    PIN4: G    PIN5、6、7、8: D

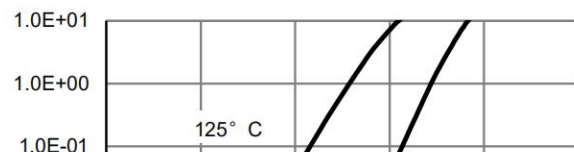
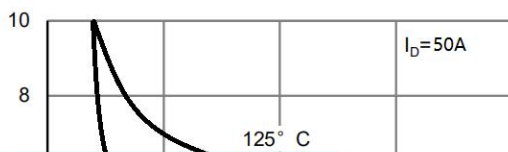
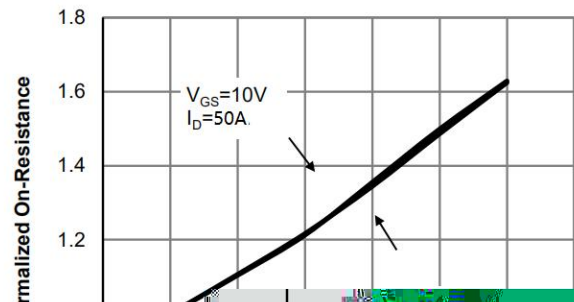
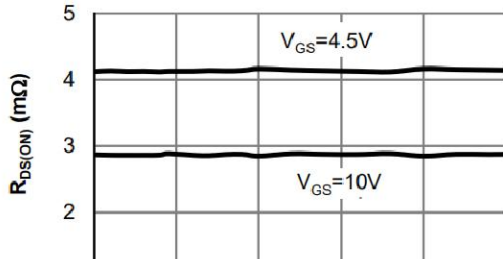
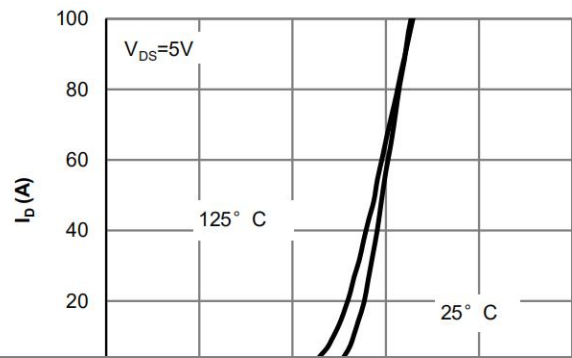
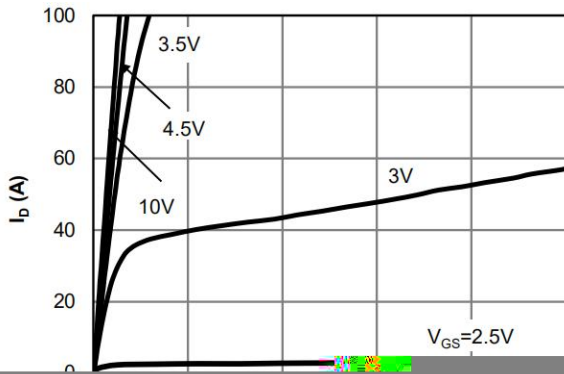


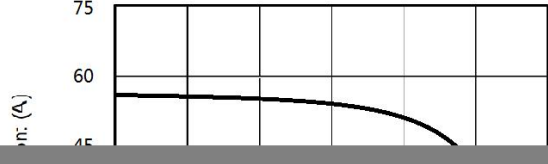
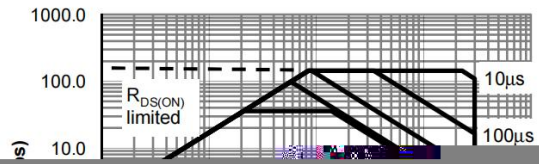
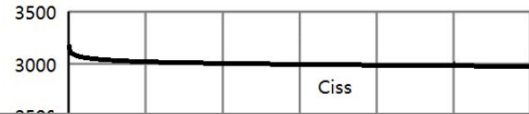
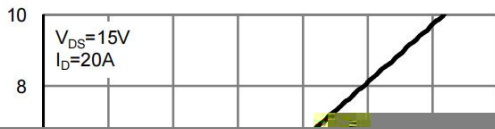
Parameter	Symbol	Rating	Unit
Drain-Source Voltage	$V_{DS}$	30	V
Continuous Drain Current	$I_D$	56	A
Pulsed Drain Current	$I_{DM}$	168	A
Gate-Source Voltage	$V_{GS}$	$\pm 20$	V
Power Dissipation	$P_D(T_c=25^\circ C)$	33	W
Avalanche energy(L=0.5mH)	$E_{AS}$	72	mJ
Avalanche Current(L=0.5mH)	$I_{AS}$	36	A
Junction and Storage Temperature Range	$T_j, T_{stg}$	-55 to 150	$^\circ C$
Maximum Junction-to-Ambient	$t \leq 10s$	$R_{JA}$	30
	Steady-State		54
Maximum Junction-to-Case	Steady-State	$R_{JC}$	0.8

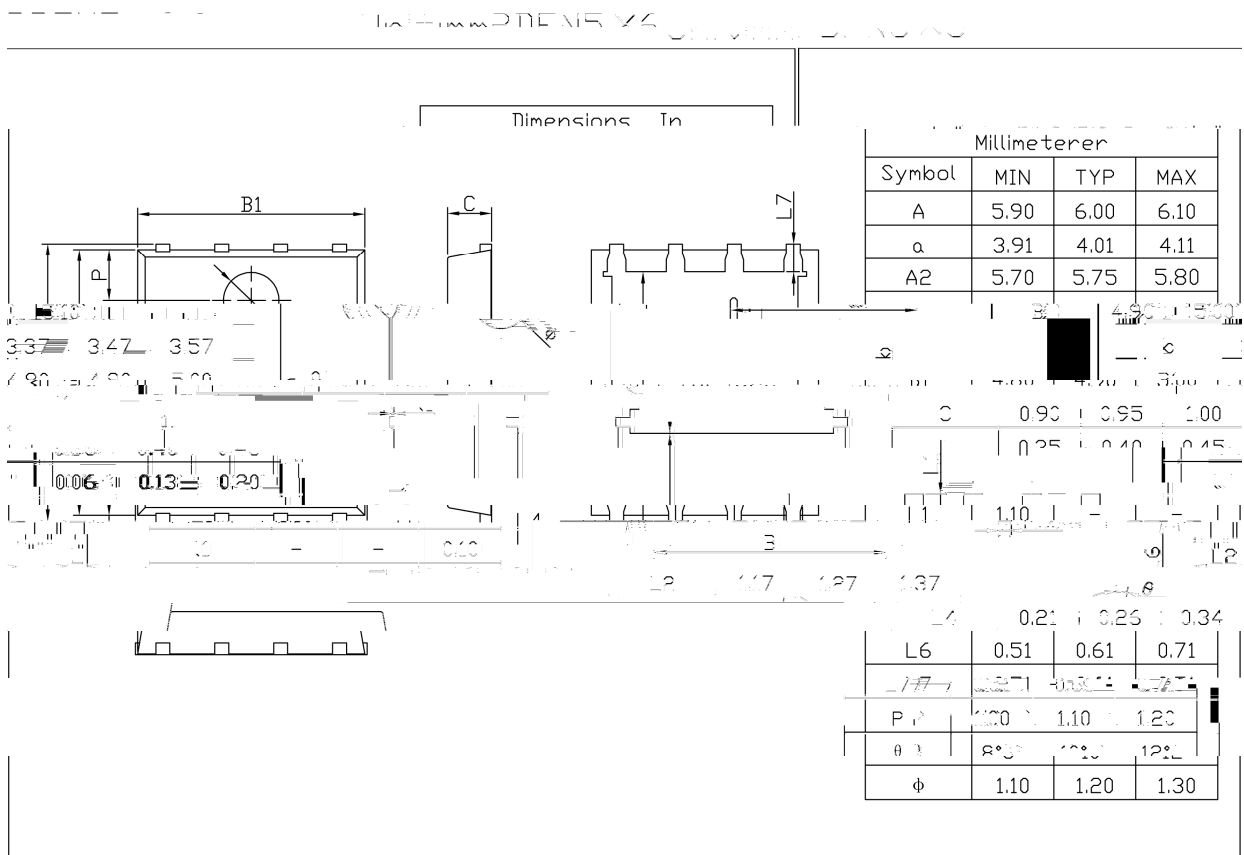
Symbol	Parameter	Symbol	Test Conditions	Min	Typ	Unit
: 9	Drain-Source Breakdown Voltage	B	$I_D=56mA, V_{GS}=0V$	30	31	V



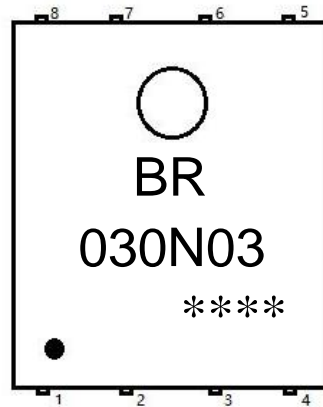
Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Turn-On Delay Time	$t_{d(on)}$			9		
Turn-On Rise Time	$t_r$	$V_{GS}=10V$ $R_L=0.75\ \Omega$		$V_{DS}=15V$ $R_{GEN}=3\ \Omega$		ns







Rev.00 201812



BR

030N03

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Note

BR

Company Code

030N03

Product Type

\*\*\*\*:

Lot No. Code, code change with Lot No




Note:

- 1      150 180      60 90sec;
- 2      245±

1.Preheating:150~180°C, Time:60~90sec.