

A	2022.1.18	All	AOS-AOS	

/ Descriptions

PDFN5x6 N-Channel MOSFET in a PDFN5x6 Plastic Package .

/ Features

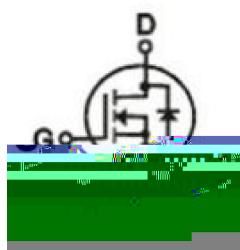
Low $R_{DS(ON)}$ to minimize conductive loss; low Gate Charge for fast switching; Low Thermal resistance; HF Product.

/ Applications

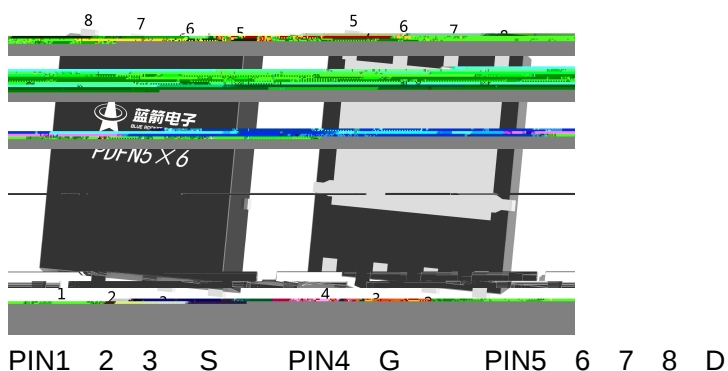
MB/NB/UMPC/VGA	Buck	-
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Battery Management,High Frequency Point-of-Load Synchronous Buck Converter for MB/NB/UMPC/VGA,Networking DC-DC Power System,Load Switch.

/ Equivalent Circuit



/ Pinning



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

印 / Marking

见印章说明 See Marking Instructions.

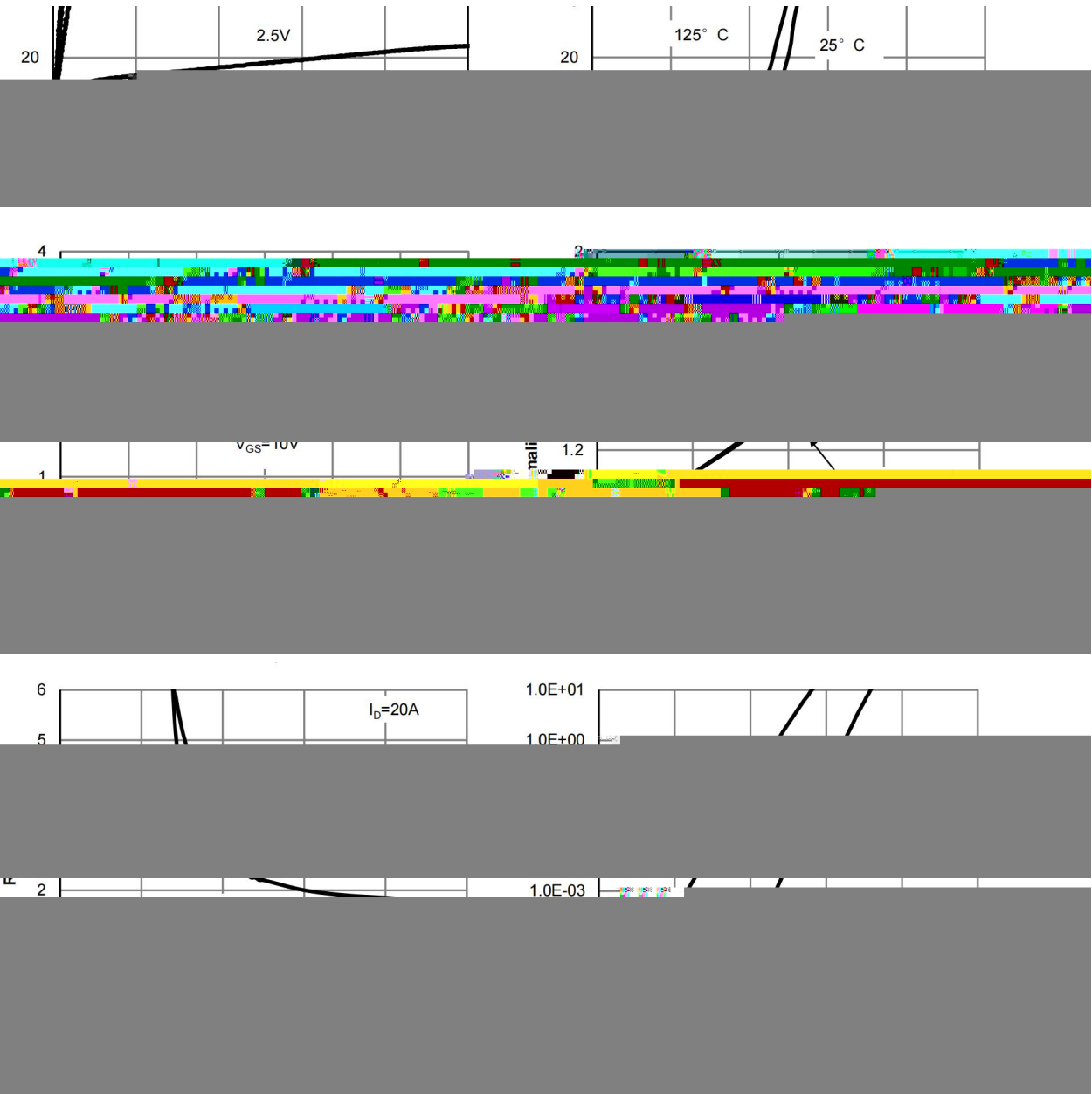


Parameter	Symbol	Rating	Unit
Drain-Source Voltage	V_{DS}	30	V
Drain Current - Continuous	I_D	150	A
Drain Current – Pulsed	I_{DM}	285	A
Gate-Source Voltage	V_{GS}	± 20	V

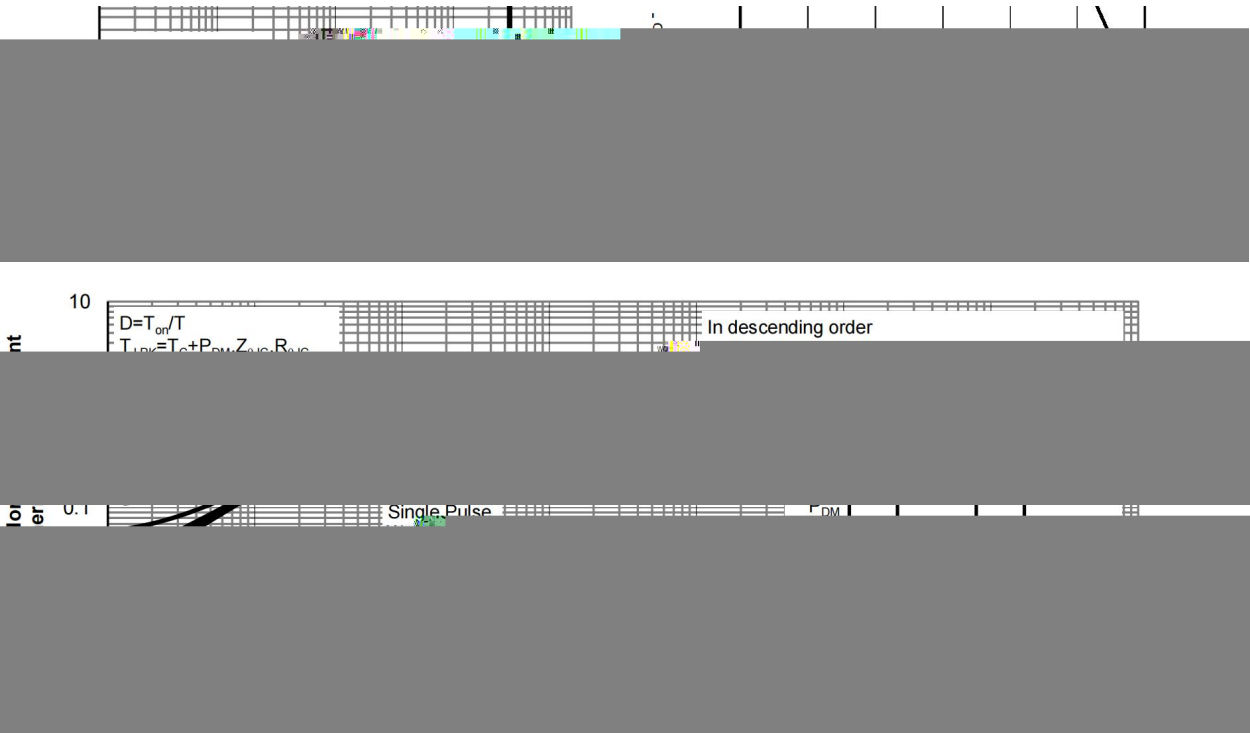
/ Electrical Characteristics(Ta=25)

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Turn-On Delay Time	$t_{d(on)}$	$V_{GS}=10V$ $V_{DS}=15V$ $R_L=0.75\ \Omega$ $R_{GEN}=3\ \Omega$		9		ns
Turn-On Rise Time	t_r			5		
Turn-Off Delay Time	$t_{d(off)}$			87		
Turn-Off Fall Time	t_f			20		

/ Electrical Characteristic Curve

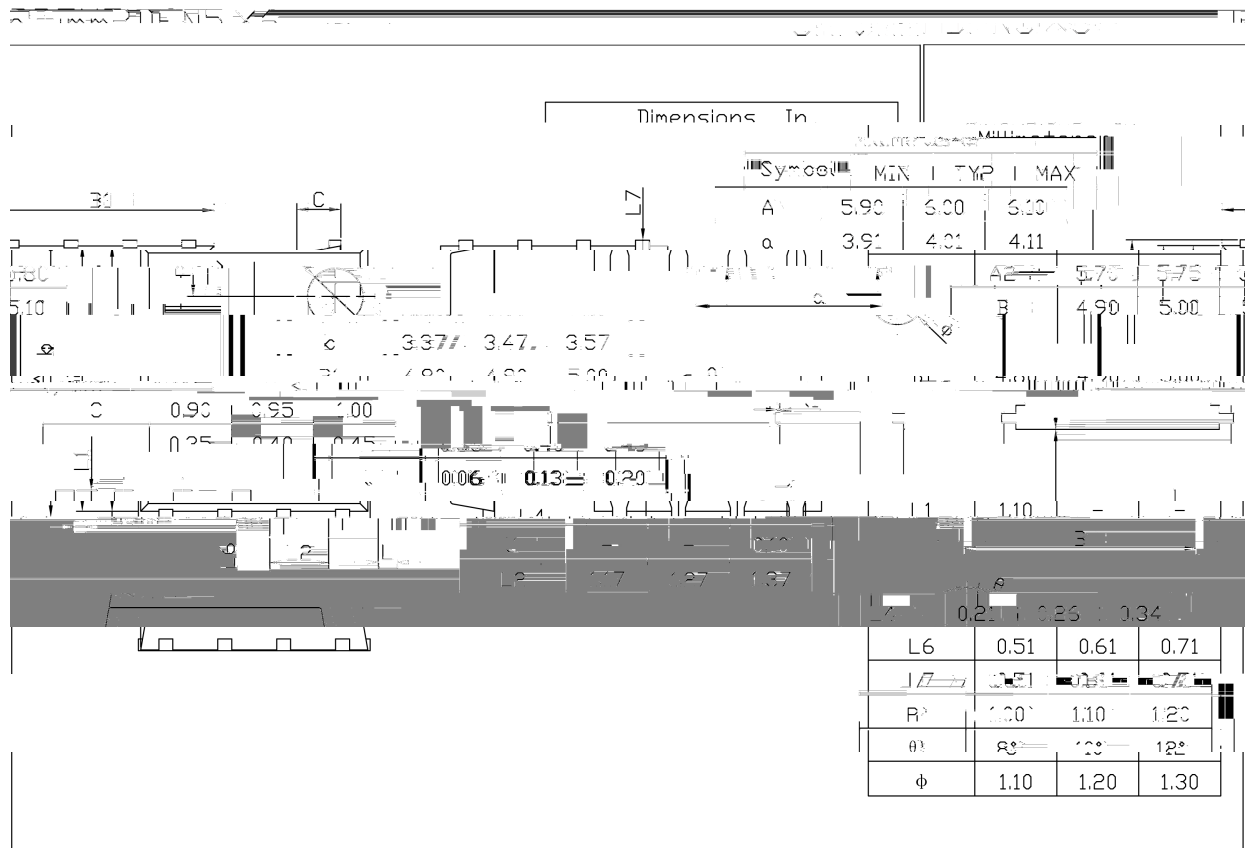


/ Electrical Characteristic Curve



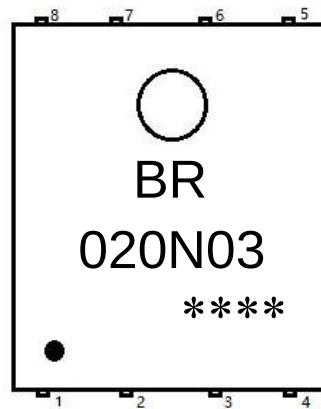


/ Package Dimensions



Rev.00 201812

印 / Marking Instructions



BR

020N03

Note

BR

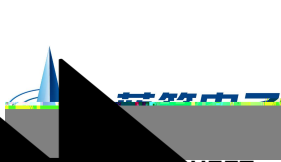
Company Code

020N03

Product Type

****:

Lot No. Code, code change with Lot No



() / Item e

				Note:
1	150	180	60 90sec;	1.Preheating:150~180℃, Time:60~90sec.
2	245±5		5±0.5sec;	2.Peak Temp.:245±5℃, Duration:5±0.5sec.
3		2	10℃/sec.	3. Cooling Speed: 2~10℃/sec.

/ Resistance to Soldering Heat Test Conditions

260±5℃	10±1 sec.	Temp.:260±5℃	Time:10±1 sec
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/ Packaging SPEC.

/ REEL

Package Type	Units 包装数量
封装形式	