

/ Revised record

A	2022.06.28	All	AOS-AONS66406		

/ Descriptions

PDFN 5×6 N
N-Channel MOSFET in a PDFN 5 × 6 Plastic Package .

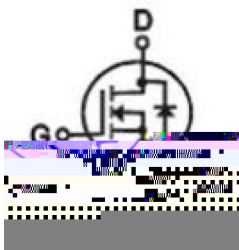
/ Features

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

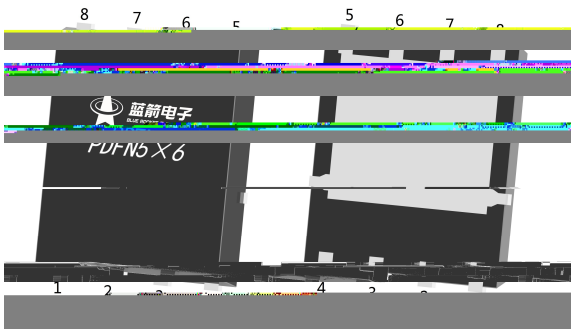
/ Applications

DC
High Frequency Switching and Synchronous Rectification,DC-Motor Driver

/ 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.

BRCS080N04ZC

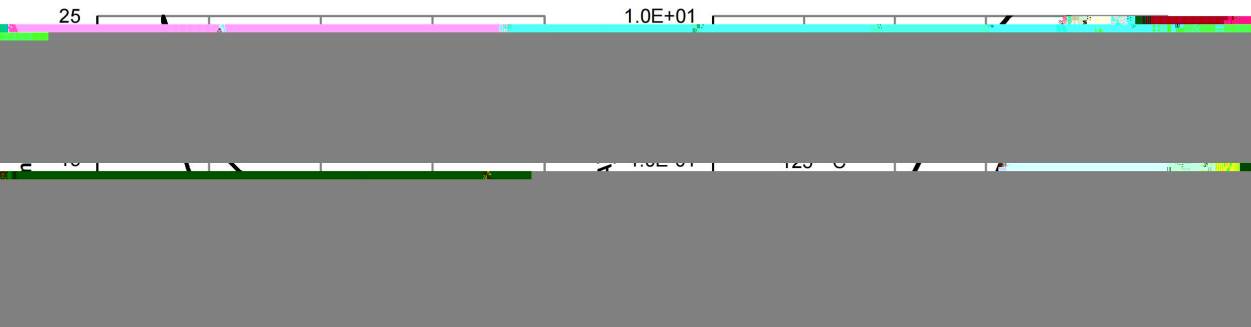
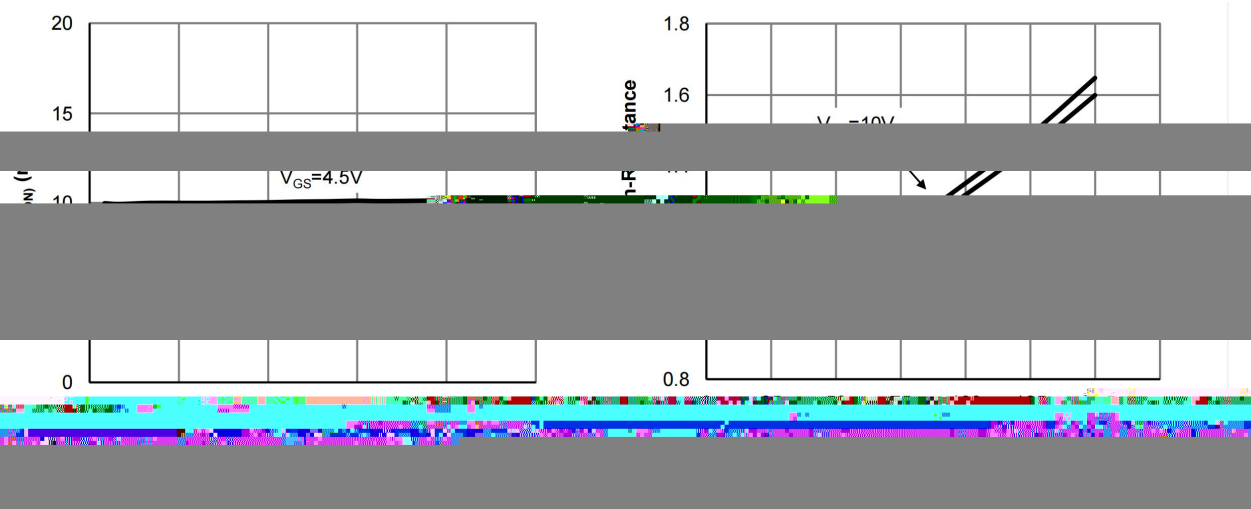
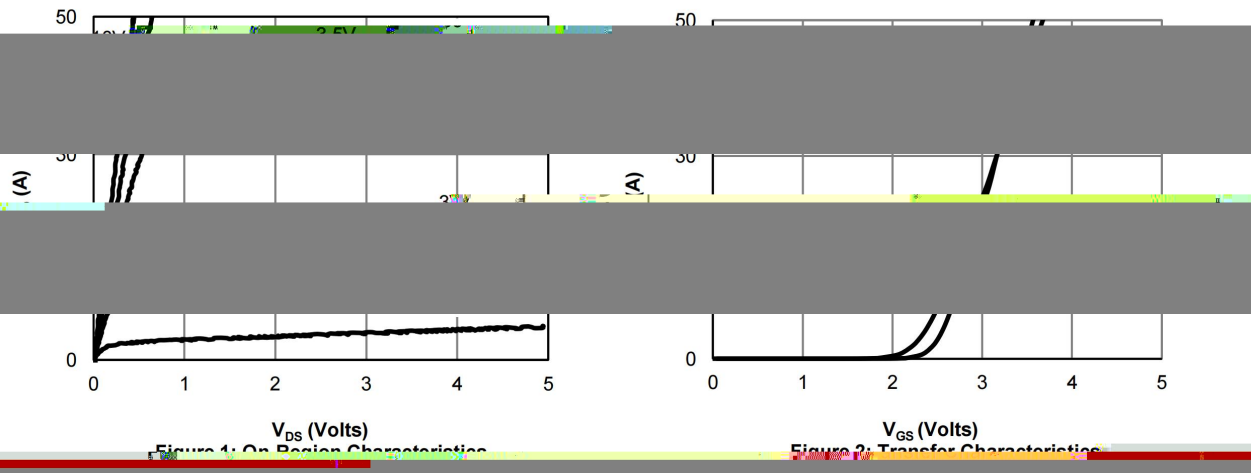
Rev.A Jun.-2022



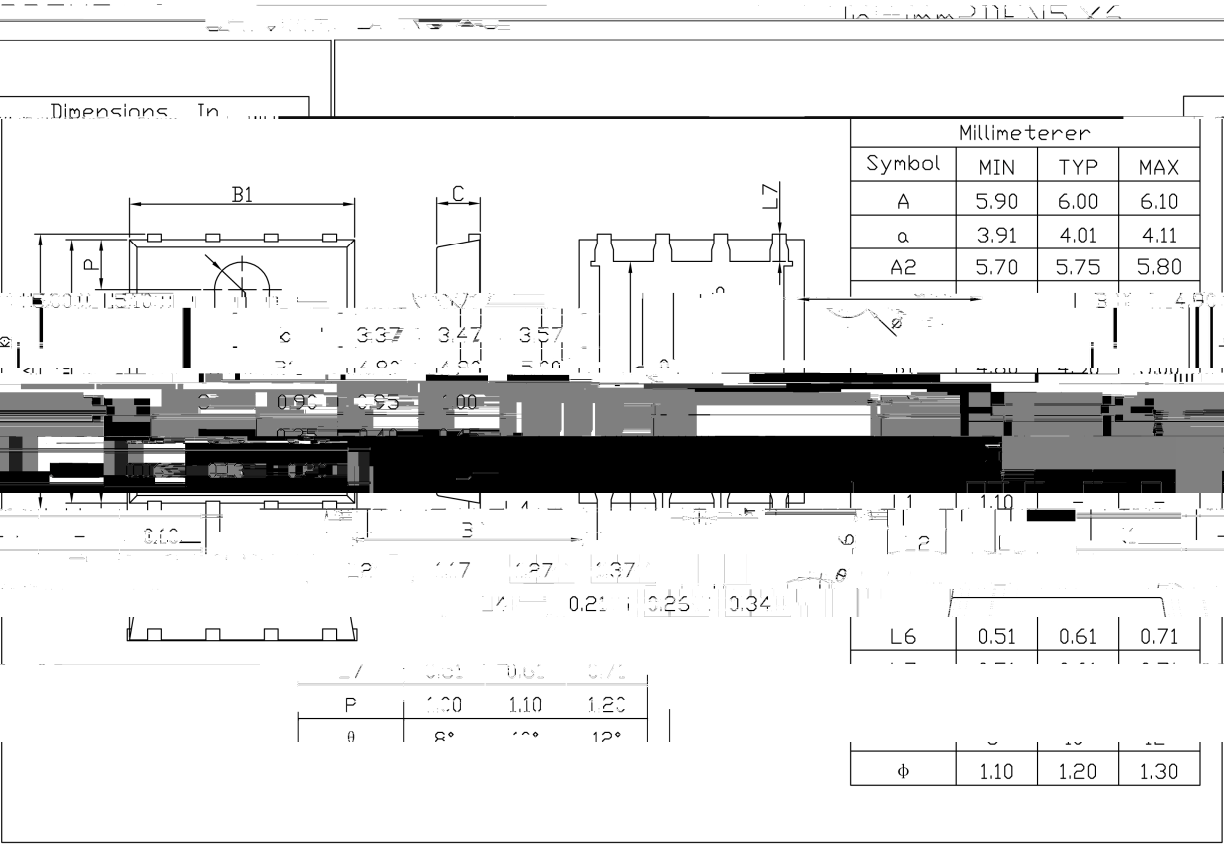
Parameter	Symbol	Rating	Unit
Drain-Source			

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Total Gate Charge	$Q_{g(10V)}$	$V_{GS}=10V$ $V_{DS}=20V$ $I_D=20A$		21		nC
Total Gate Charge	$Q_{g(4.5V)}$			8.8		
Gate Source Charge	Q_{gs}			5.5		
Gate Drain Charge	Q_{gd}			3.1		
Turn-On Delay Time	$t_{d(on)}$	$V_{GS}=10V$ $V_{DS}=20V$ $R_L=1.0\Omega$ $R_{GEN}=$				

/ Electrical Characteristic Curve

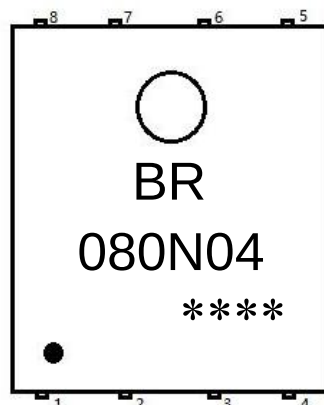


/ Package Dimensions



Rev.00 201812

/ Marking Instructions



说明：

BR： 为公司代码

080N04： 为产品型号

****： 为生产批号代码，随生产批号变化

Note：

BR： Company Code

080N04： Product Type

****： Lot No. Code, code change with Lot No

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

Note:

- 1 150 180 60 90sec;
 2 245±5 5±0.5sec;
 3 2 10°C/sec.

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

/ Resistance to Soldering Heat Test Conditions

260±5°C 10±1 sec. Temp.:260±5°C Time:10±1 sec

/ Packaging SPEC.

/ REEL

Package Type	Units 包装数量					Dimension 包装尺寸 (unit: mm ³)
封装形式	只/卷盘	卷盘/盒	只/盒	盒/箱	只/箱	盒 箱