

BRCS50N06IP

Rev.A Jun.-2022



DATA SHEET

/ Revised record

A	2019.12.24				
A	2021-12-24	6-7	TO-252#		
A	2022-6-17		BRCS50N06DP 251		

/ Descriptions

TO-251 N ! " # \$ % & ' ' "

N-CHANNE? @OSFET in a TO-251 Plastic Package.

/ Features

$R_{DS(on)}$ () * + , -) r_{SS} () . / 0 1 2) ! 3 4 5) 6 7 8 9 ' "

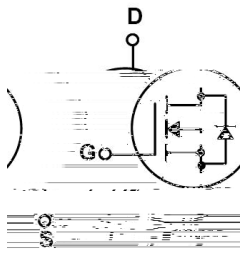
?ow $R_{DS(on)}$, low gate charge, low C_{rss} , fast switching, Trench Technologies, HF Product.

/ Applications

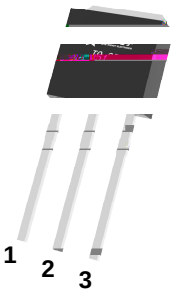
: ; - < + = > ? @ A + = B C D B E F G 8 9 H + I J \$ C D ' "

Suited for low voltage applications such as automotive, DC/DC Converters, and high efficiency switching for power management in portable and battery operated products.

/ Equivalent Circuit



/ Pinning



PIN1 ? G

PIN 2 ? D

PIN 3 ? S

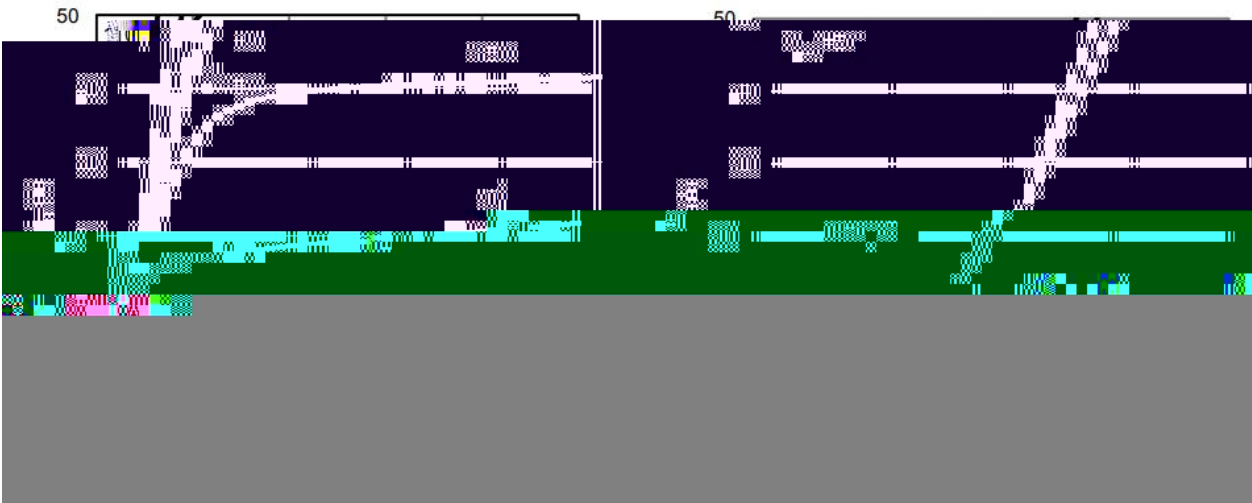
/ Marking

K L M N O ' See @arking Instructions.

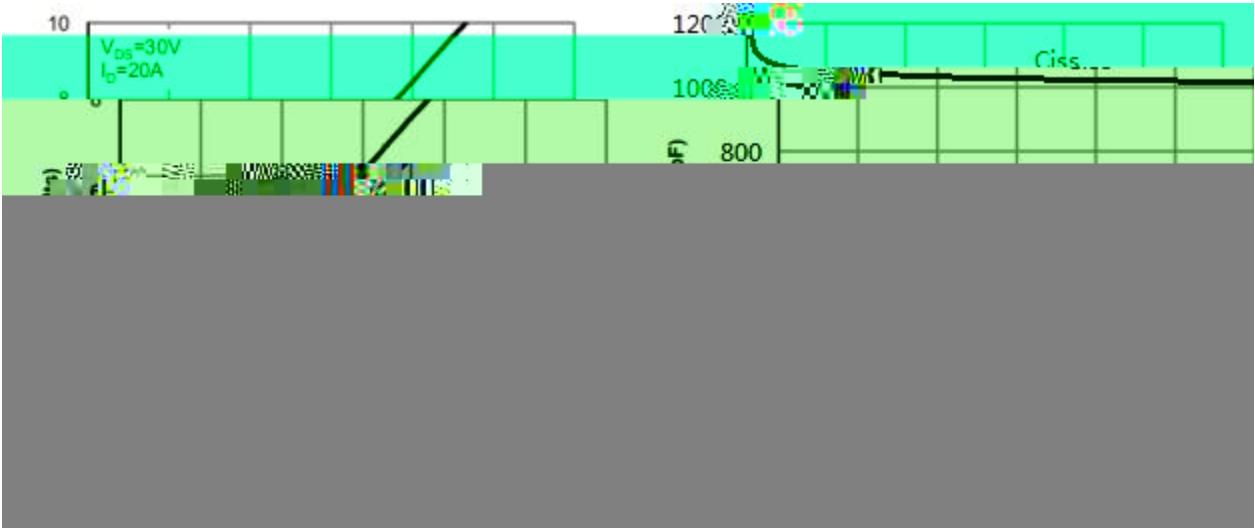
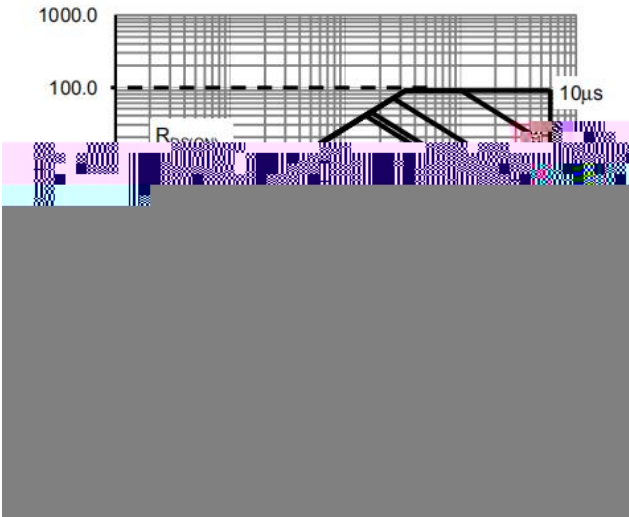
Parameter	Symbol	Rating	Rnit
Drain-Source Soltage	S_{DSS}	60	S

BRCS50N06IP

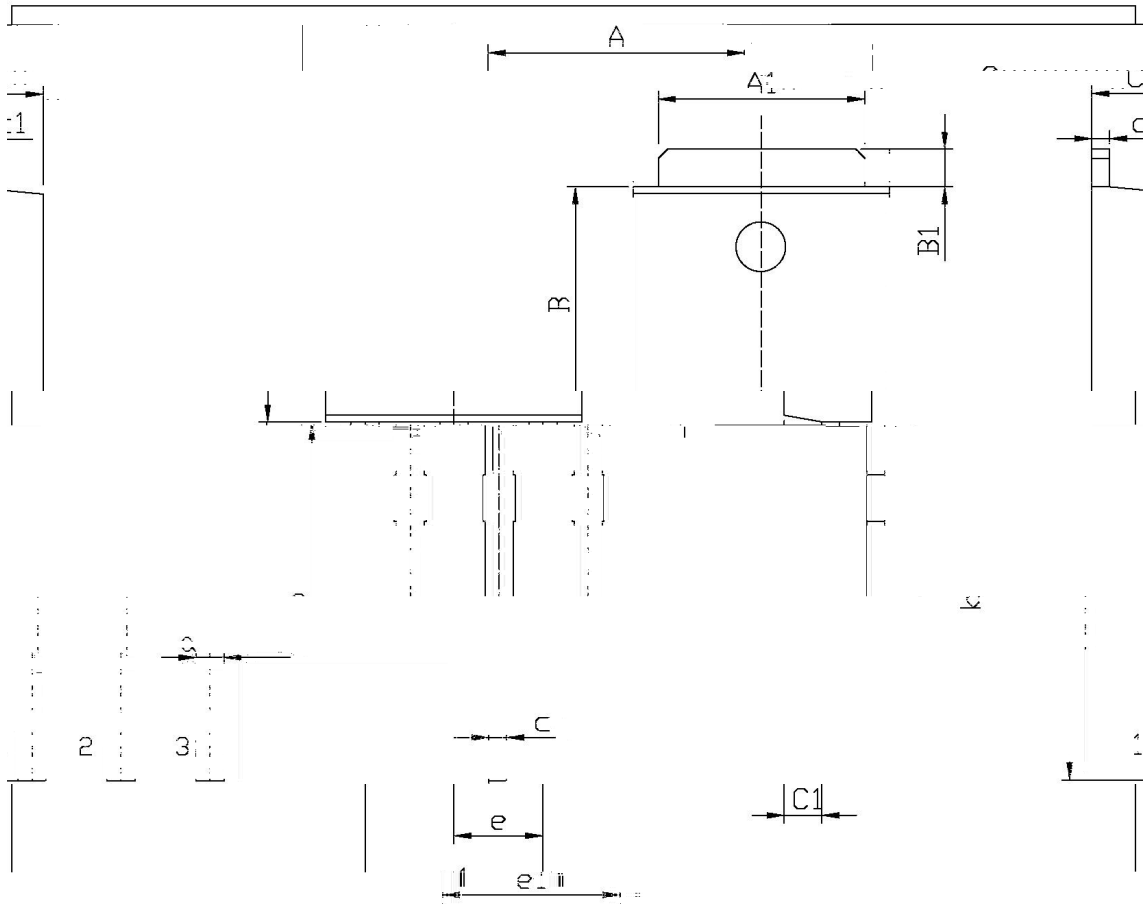
/ Electrical Characteristic Curve



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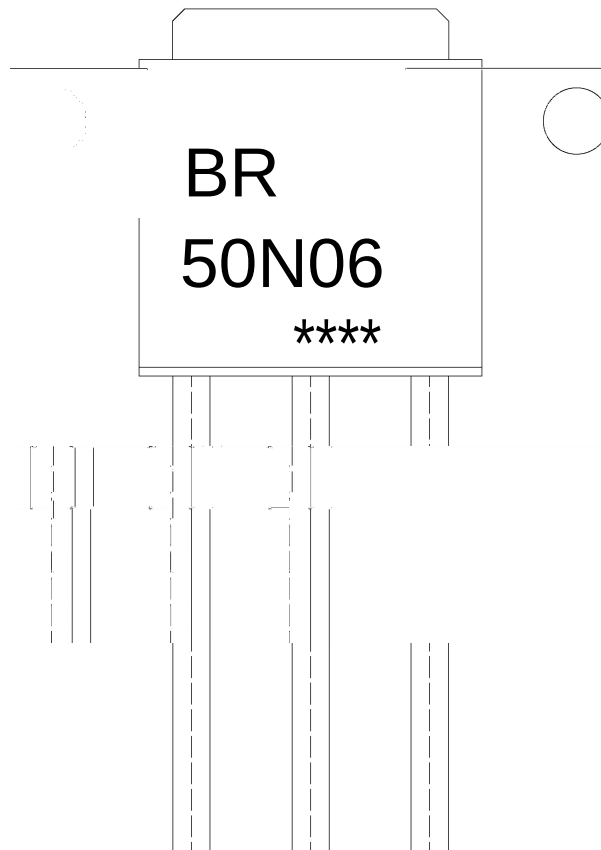


/ Package Dimensions



Dimensions in Millimeters

Symbol	Value
A	5.95
A1	6.25
B	0.45
B1	0.55
C	0.45
C1	0.55
e	0.45
f	0.55

/ Marking Instructions

说明：

BR： 为公司代码

50N06： 为型号代码

****： 为生产批号代码，随生产批号变化

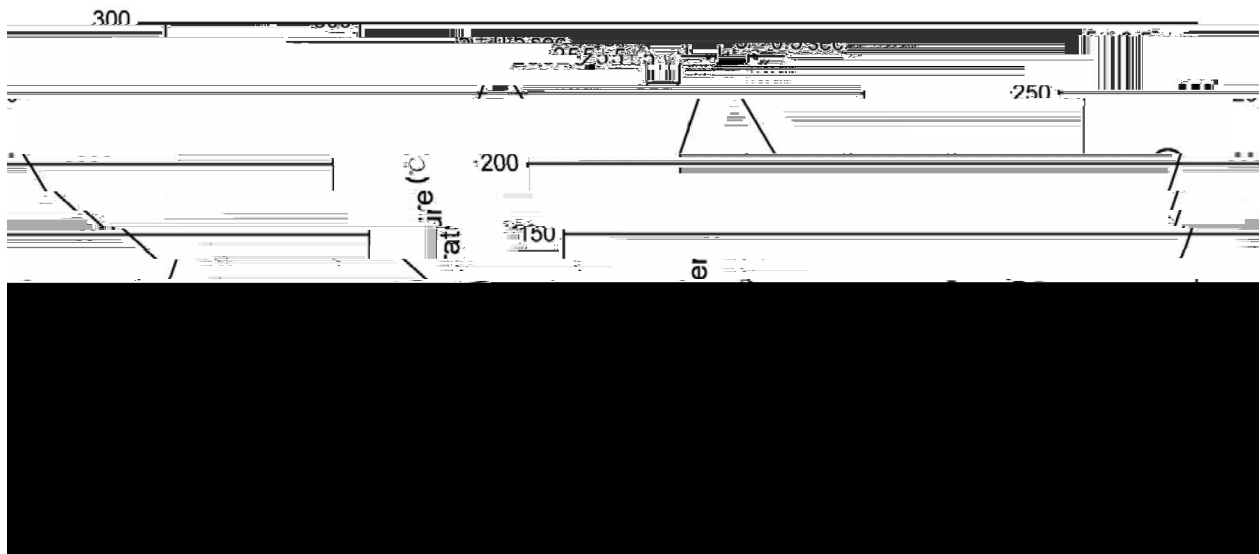
Note:

BR: Company Code

50N06: Product Type Code

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

() / Temperature Profile for Dip Soldering(Pb-Free)



Note:

- | | | | | | |
|---|-------|-----|-----------|---|--------------------------------------|
| 1 | 25 | 150 | 60 | 90sec; | 1.Preheating:25~150 , Time:60~90sec. |
| 2 | 255±5 | | 5±0.5sec; | 2.Peak Temp.:255±5 , Duration:5±0.5sec. | |
| 3 | | 2 | 10 | /sec. | 3. Cooling Speed: 2~10 /sec. |

/ Resistance to Soldering Heat Test Conditions

270±5	10±1 sec.	Temp.:270±5	Time:10±1 sec
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/ Packaging SPEC.

/ BR?K

Package Type 封装形式	Units/Bag 只/袋	Bags/Inner Box 袋/盒	Rnits 包装数量	Dimension 包装尺寸	Junit: mm ³ K
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