

BRCS200N04DSC

Rev.B Oct.-2025

/ Descriptions

JF G\$ / E Gf n \i `Ki \eZ_ `D F J

Dual N-Channel Power Trench MOSFET in a SOP-8 Plastic Package.

/ Features

$V_{DS}(V)=40V$ $I_D=8A$

$R_{DS(ON)}@10V < 20m$ (Typ. 22m)

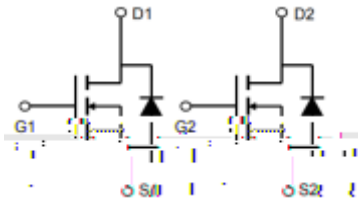
$R_{DS(ON)}@4.5V < 29.5m$ (Typ. 36m)

HF Product.

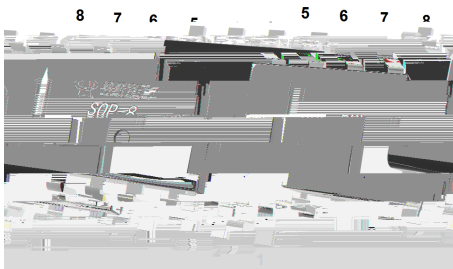
/ Applications

Battery protection, Load Switch, Power management.

/ Equivalent Circuit



/ Pinning



| | | | | | | | |
|-------|----|-------|----|-------|----|-------|----|
| PIN 1 | S1 | PIN 2 | G1 | PIN 3 | S2 | PIN 4 | G2 |
| PIN 5 | D2 | PIN 6 | D2 | PIN 7 | D1 | PIN 8 | D1 |

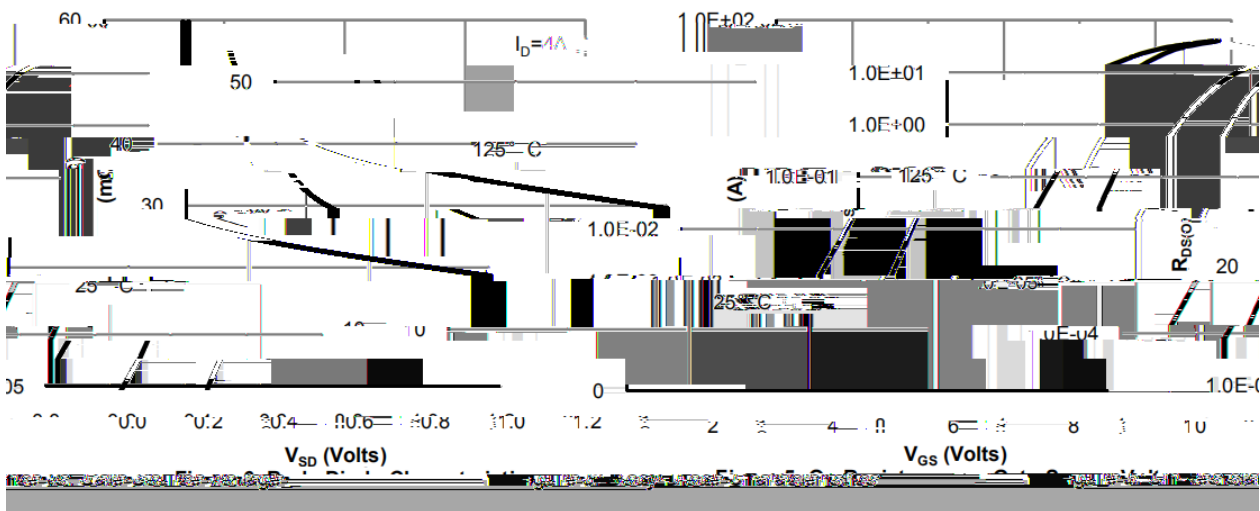
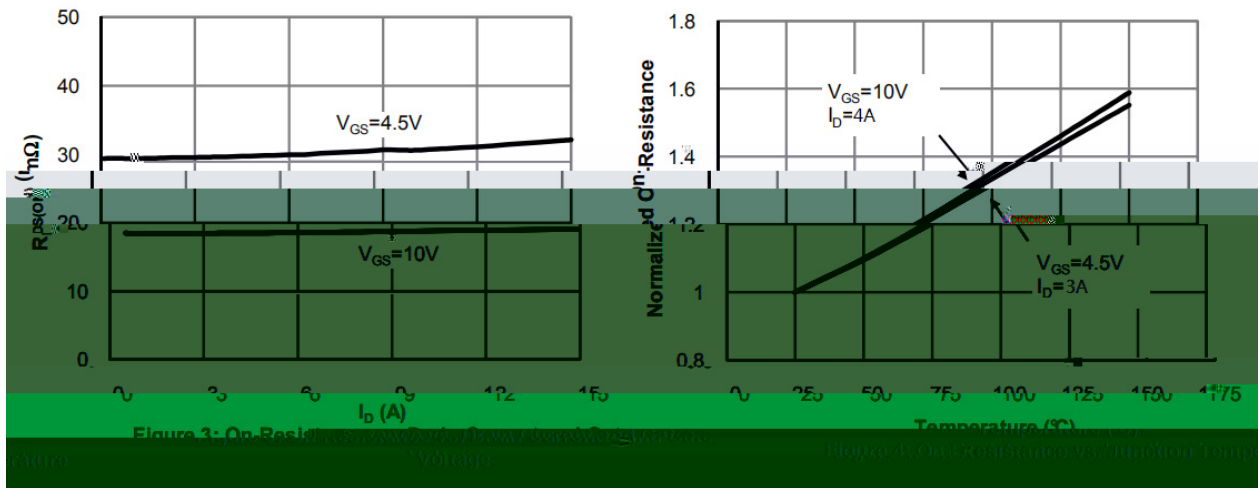
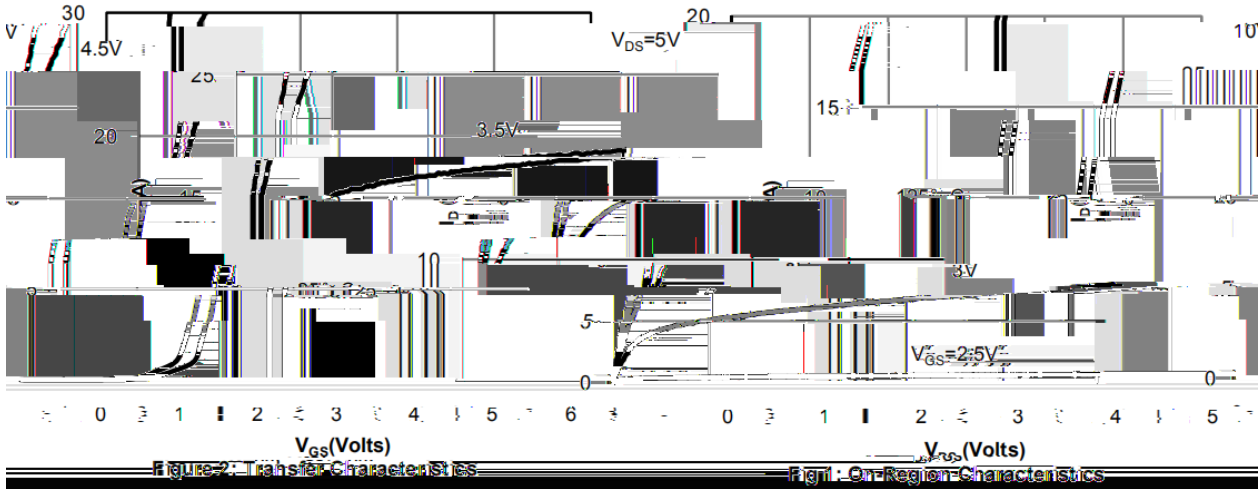
/ Marking

See Marking Instructions.

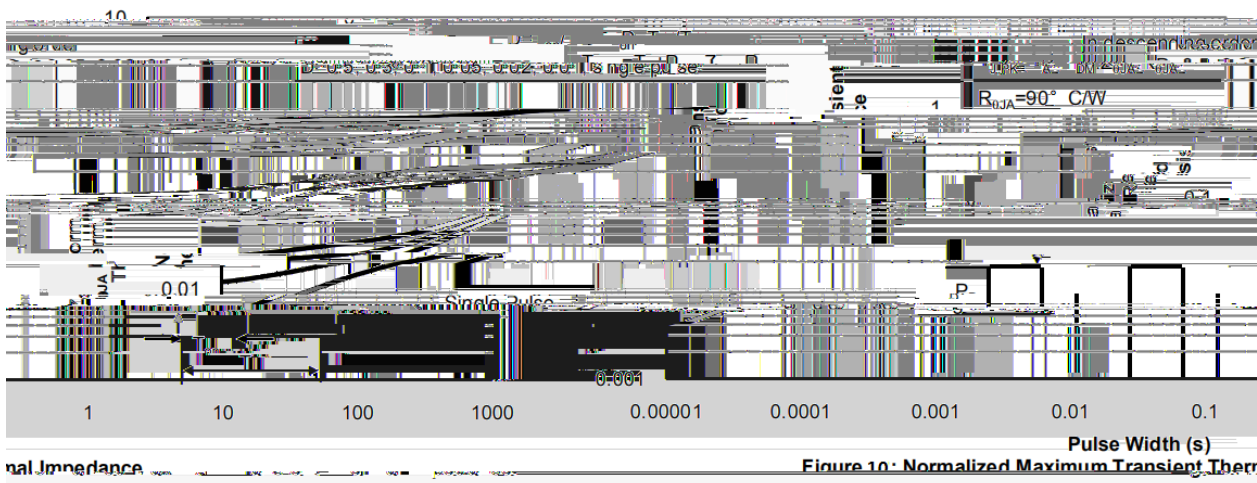
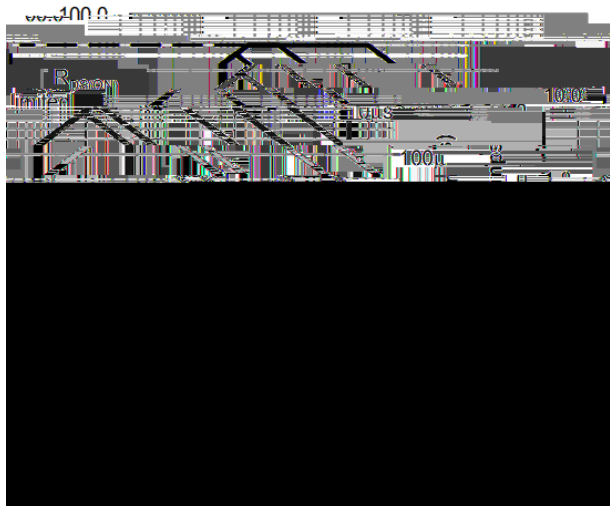
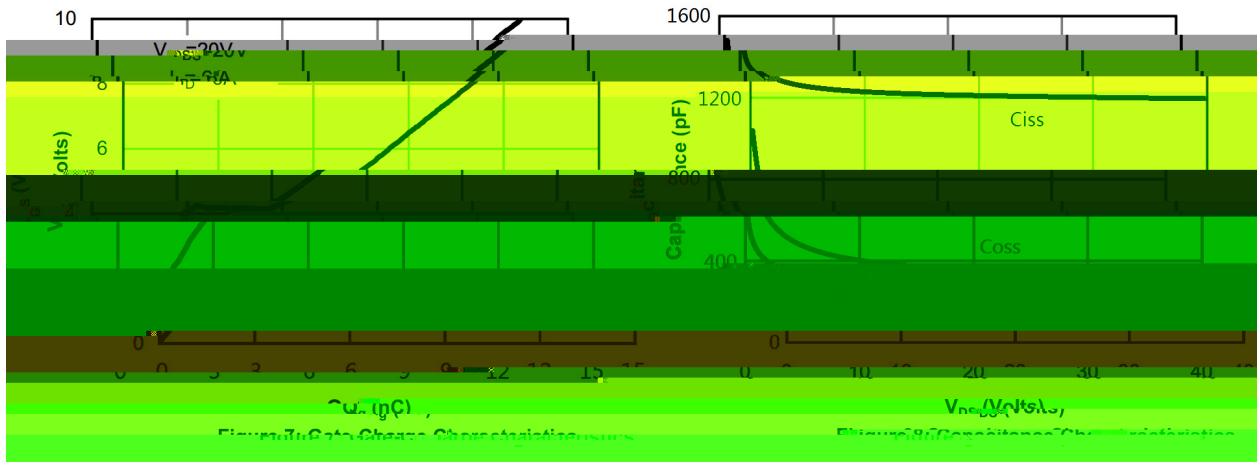
/ Electrical Characteristics(Ta=25)

| Parameter | Symbol | Test Conditions | Min | Typ | Max | Unit |
|--------------------|-----------------------|---|-----|------|-----|------|
| Total Gate Charge | Q _g (10V) | V _{GS} =10V V _{DS} =20V I _D =6A | | 15.4 | | nC |
| Total Gate Charge | Q _g (4.5V) | | | 7.0 | | |
| Gate-Source Charge | Q _{gs} | | | 1.4 | | |
| Gate-Drain Charge | Q _{gd} | | | 2.9 | | |

/ Electrical Characteristic Curve



/ Electrical Characteristic Curve



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蓝箭电子
BLUE ROCKET ELECTRONICS

DATA SHEET

/ Package Dimensions

/ Marking Instructions

BR 200N04D

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Note:

BR: Company Code.

200N04D y Product Type.

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

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1o• Ä ½ “ † 150 ½180 - k ž • 60 ½90sec;

2o• Q › “ † 245 r5 - k ž • 4 Ò 5 r0.5sec;

3o•D N ò i Ò 0 , † 2 ½10 - /sec.

Note:

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

2.Peak Temp.:245 r5 - , Duration:5 r0.5sec.

3.