

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)

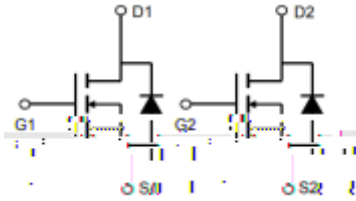
$R_{DS(ON)}@4.5V<29.5m$ (Typ. 36m)

HF Product.

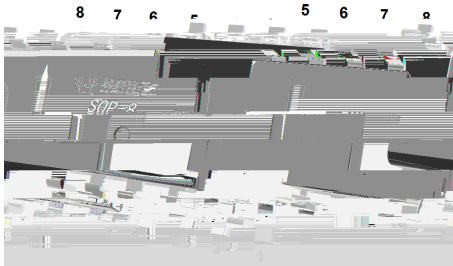
/ Applications

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

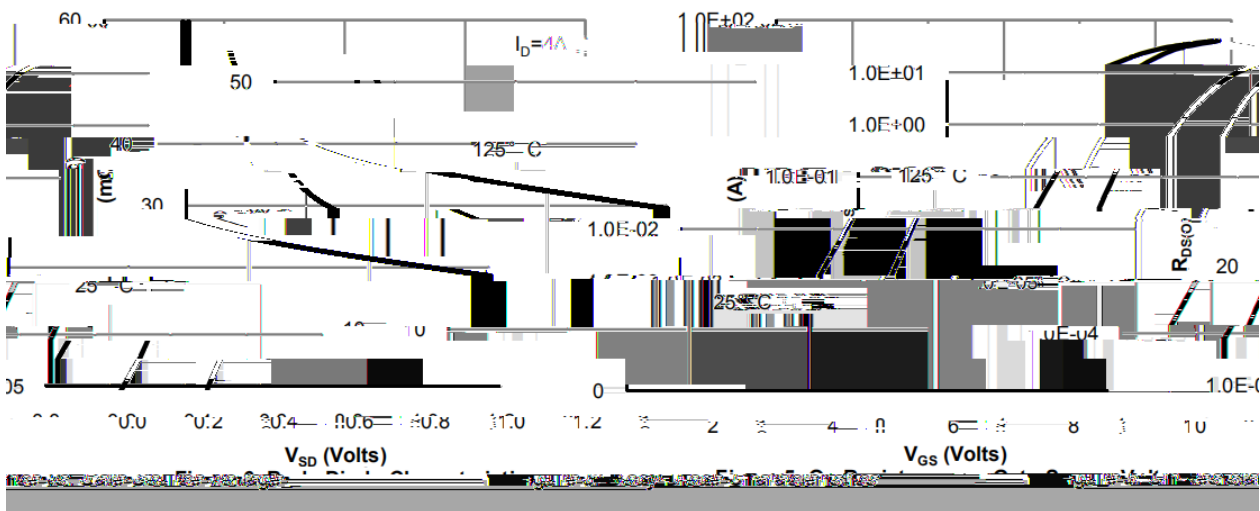
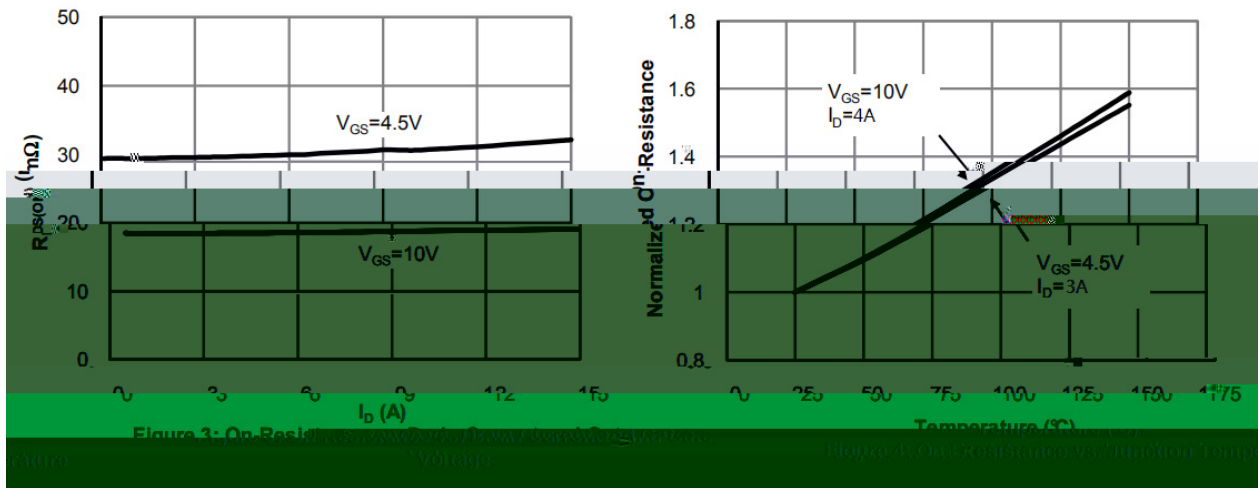
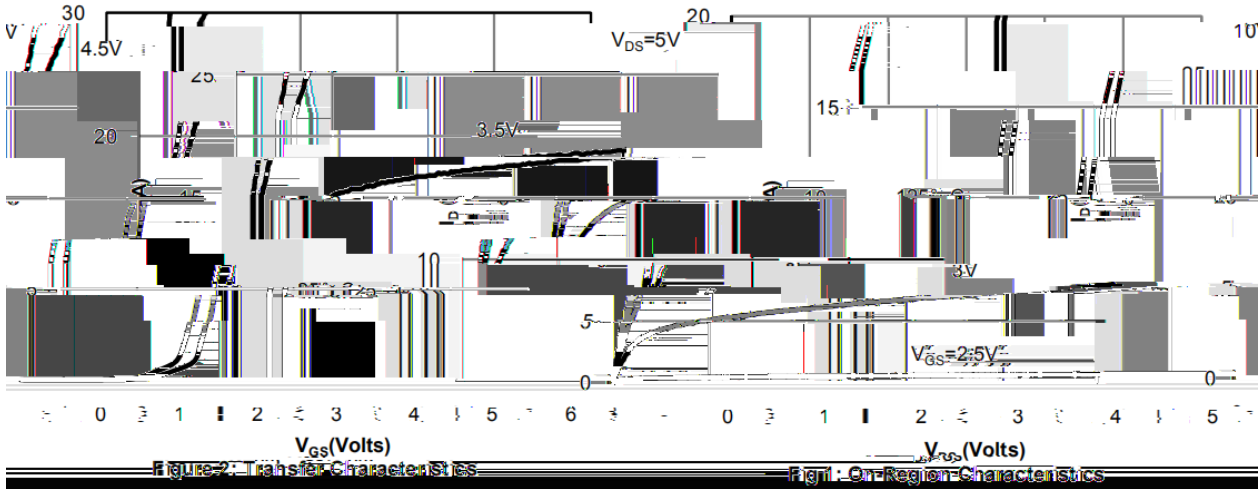
/ Marking

See Marking Instructions.

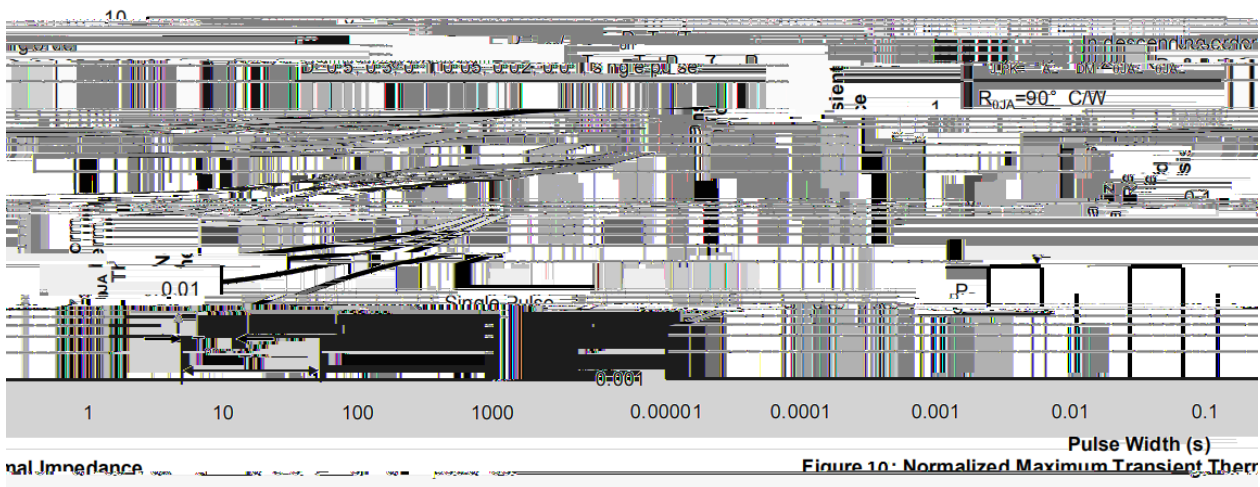
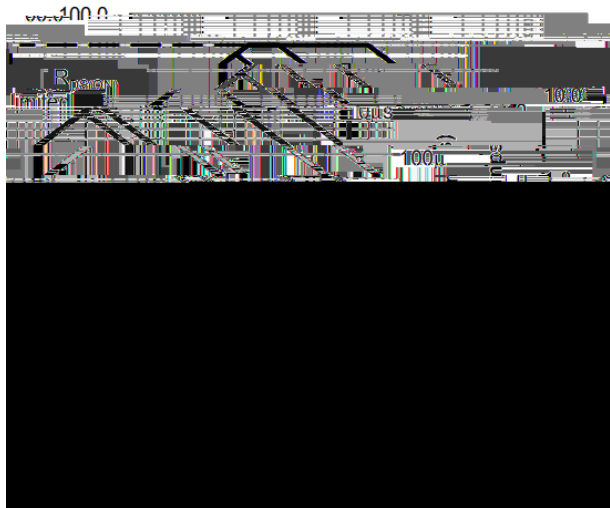
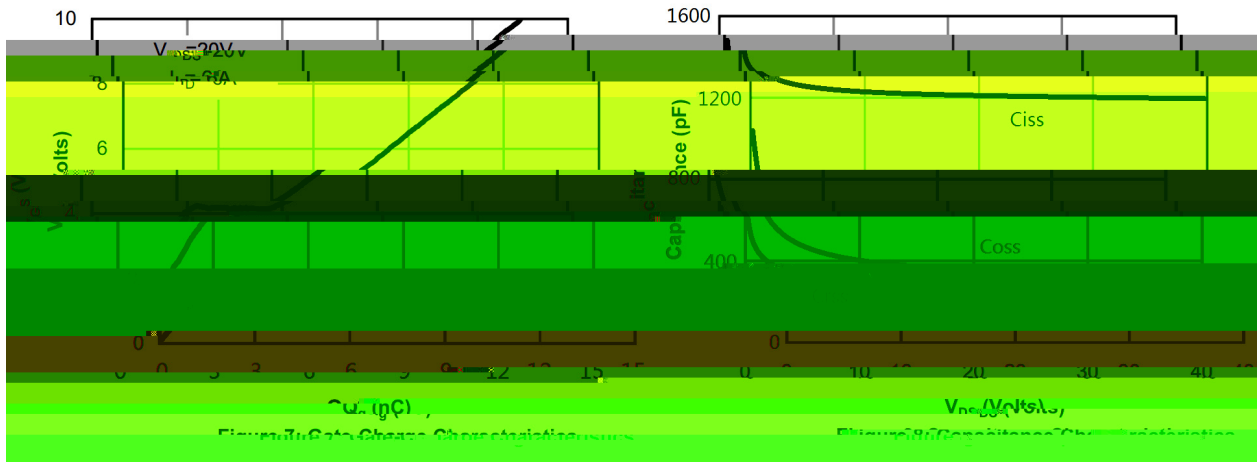
/ Electrical Characteristics(Ta=25)

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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 BR y , [W A
 4 * y ° Z W A
 y ÿ D Z W A k š ÿ D Z J

Note:

BR: Company Code.

200N04D y Product Type.

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

šWD t...•Žϕ (x/) / :KSVKXGZ[XK 6XULORK LUX /8 8KLRU] 9URJKXOTM 6

^a ϕ y

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.