

BRCs008N06SHTM

Rev.C Jun.-2025

/ Descriptions

TOLL-8L-Clip N
N-Channel MOSFET in a TOLL-8L-Clip Plastic Package.

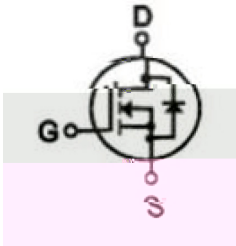
/ Features

$V_{DS}(V)=60V$ $I_D=354A$
 $R_{DS(ON)}@10V$ 0.98m (Typ. 0.82m)
HF Product.

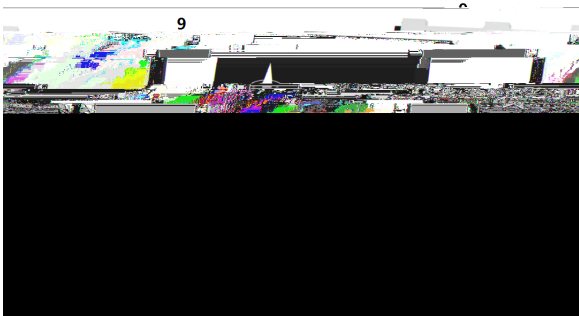
/ Applications

9D J
BMS,High power inverter system,Drones,Light electric vehicles.

/ Equivalent Circuit



/ Pinning



PIN1 G PIN2 3 4 5 6 7 8 S PIN9 D

/ Marking

See Marking Instructions.

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DATA SHEET

Parameter	Symbol	Rating	Unit
Drain-Source Voltage	V_{DS}	60	V

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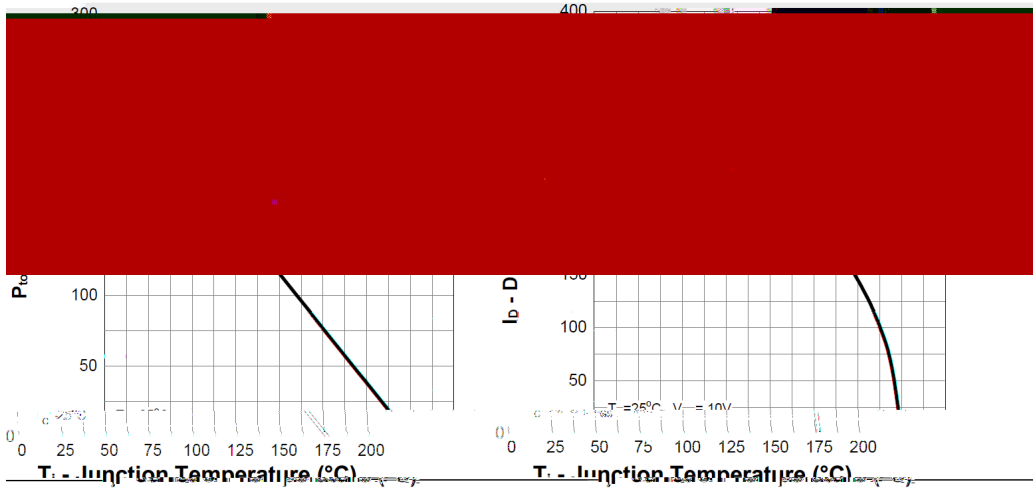
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DATA SHEET

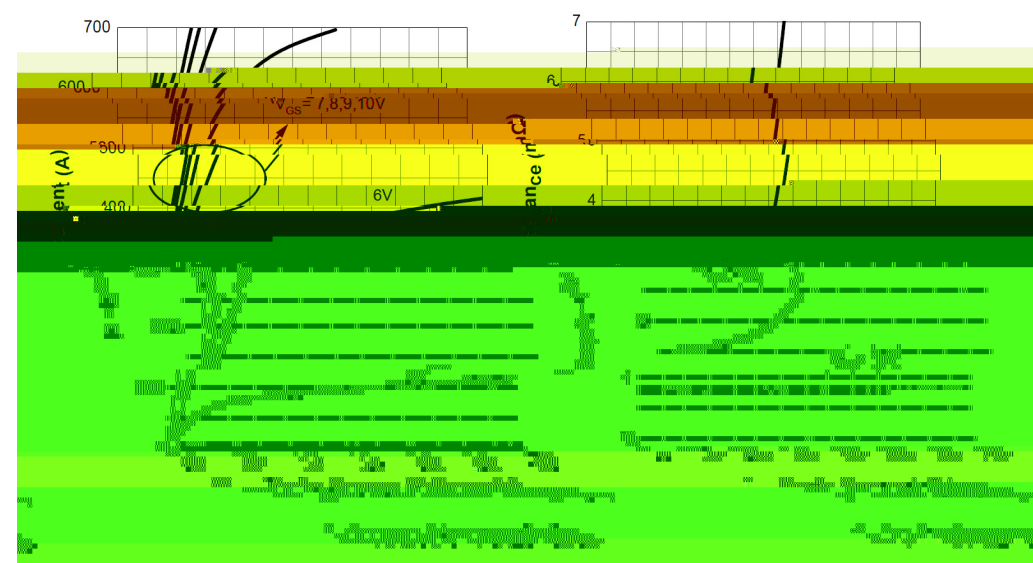
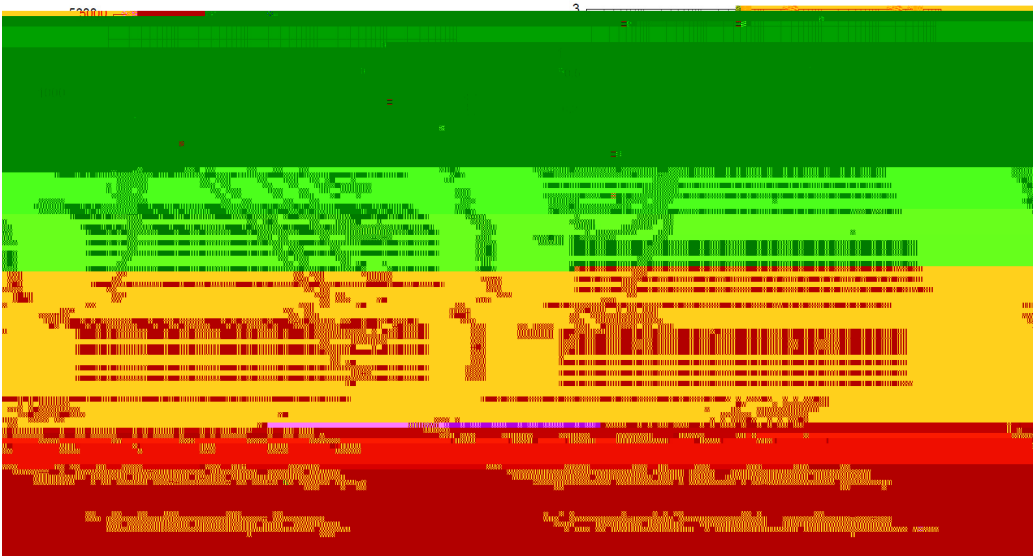
Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Turn-On Delay Time	$t_{d(on)}$	$V_{GEN}=10V$ $V_{DS}=30V$ $R_L=0.6$ $R_G=3.9$ $I_{DS}=50A$		25		ns
Turn-On Rise Time	t_r			112		
Turn-Off Delay Time	$t_{d(off)}$			70		

/ Electrical Characteristic Curve

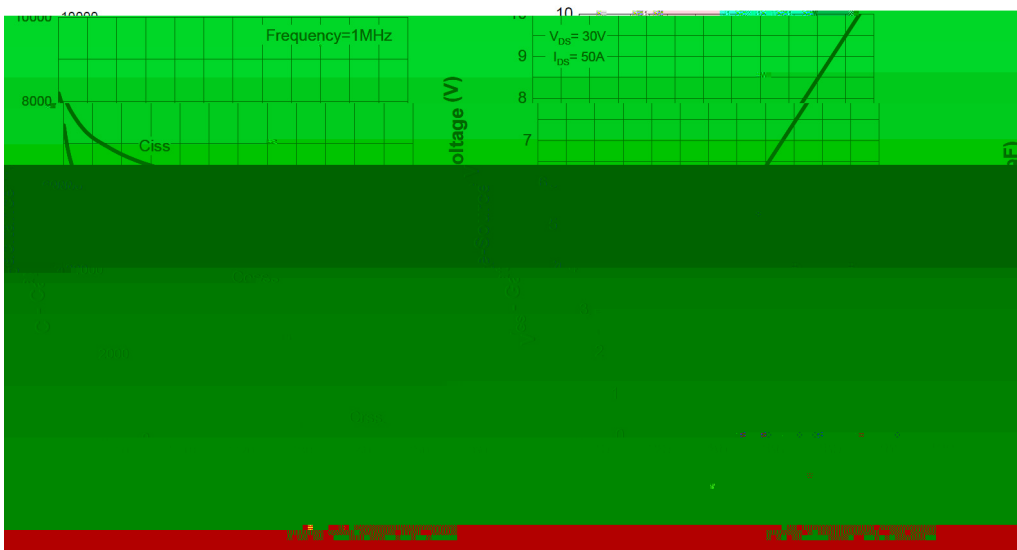
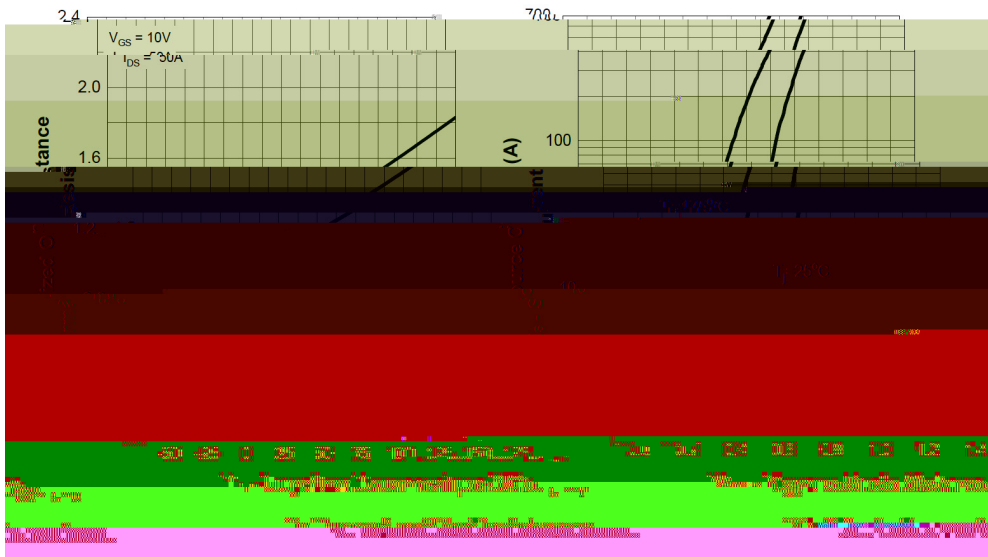
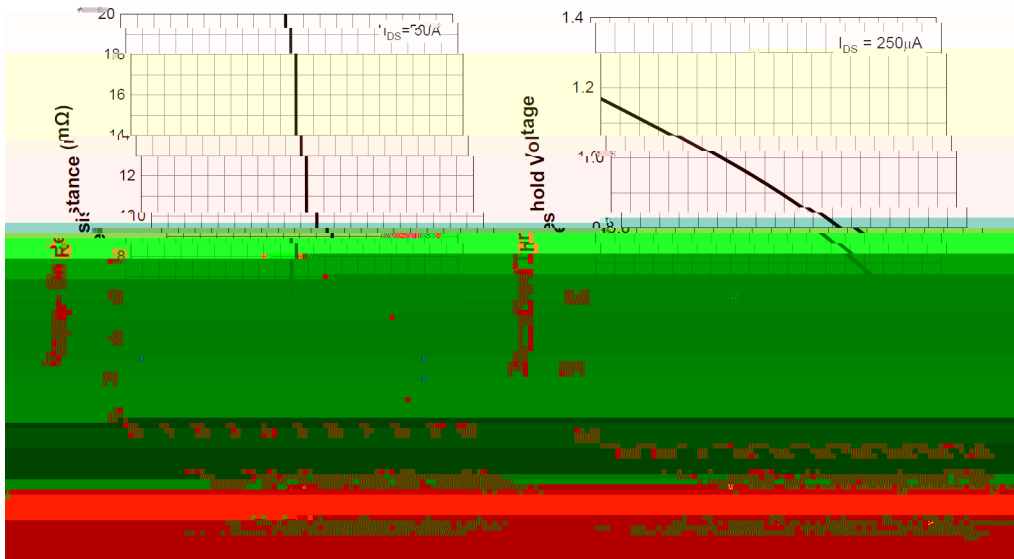


1 Power Capability

2 Current Capability

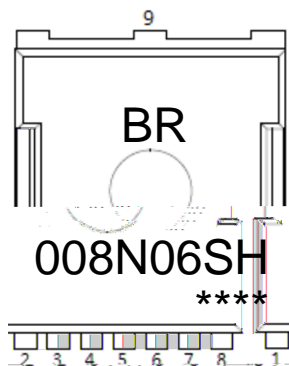


/ Electrical Characteristic Curve



BRCS008N06SHTM

/ Marking Instructions



9|

008N06SH

Note

BR Company Code

008N06SH Product Type Code

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

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

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

/ Packaging SPEC.

/ REEL

Package Type	Units					Dimension (unit mm ³)		
	Units/Reel &	Reels/Inner Box &	Units/Inner Box &	Inner Boxes/Outer Box &	Units/Outer Box &	Reel	Inner Box	Outer Box
TOLL-8L-Clip	2,000	1	2,000	6	12,000	13"x24	360x360x50	380x335x366

/ Notices

All information provided in this document is subject to legal disclaimers.