BRCS008N06SHTM

Rev.D Jul.-2026

蓝箭电子 BLUE ROCKET ELECTRONICS

DATA SHEET

"Yـ / Descriptions

TOLL-8L-Clip N

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

◕ È / Features

V_{DS}(V)=60V I_D=354A

$R_{DS(ON)}$@10V≤0.98mΩ(Typ. 0.82mΩ)

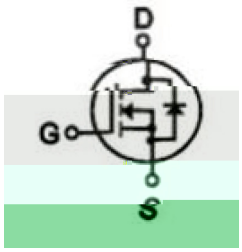
HF Product.

४ ِ / Applications

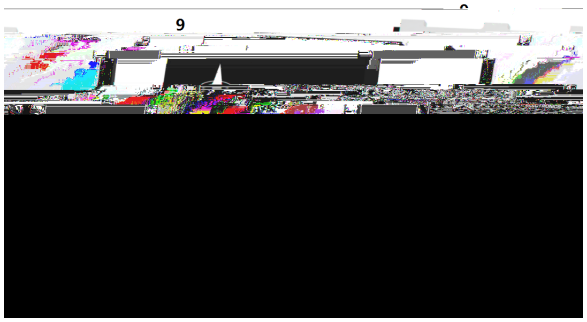
BMS

BMS,High power inverter system,Drones,Light electric vehicles.

Л ً ً ≠ ɛ / Equivalent Circuit



ã ﻨ ٌ ً / Pinning



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

ŧ. ʜ ڸ / Marking

See Marking Instructions.

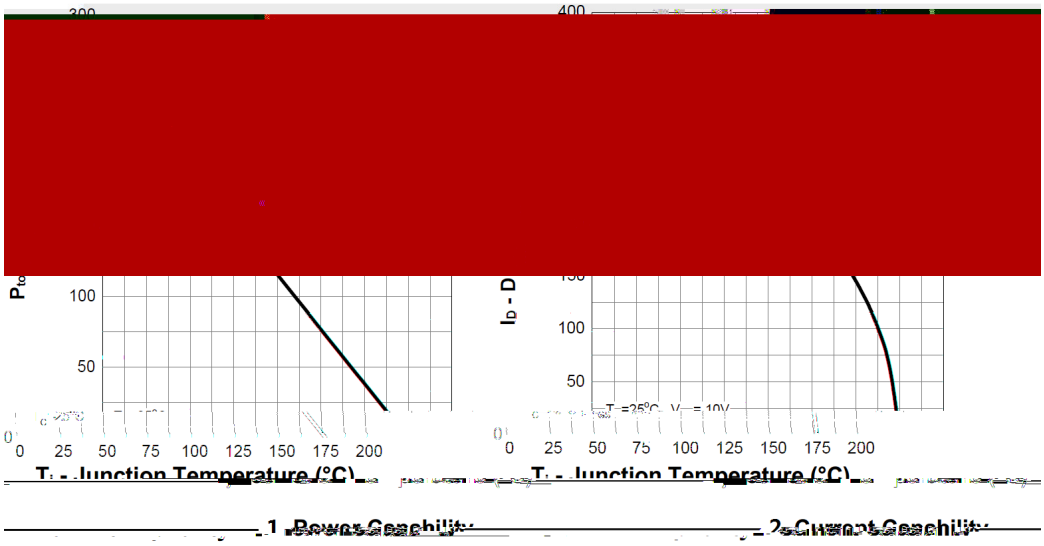
Parameter	Symbol	Rating	Unit
Drain-Source Voltage	V_{DS}	60	V

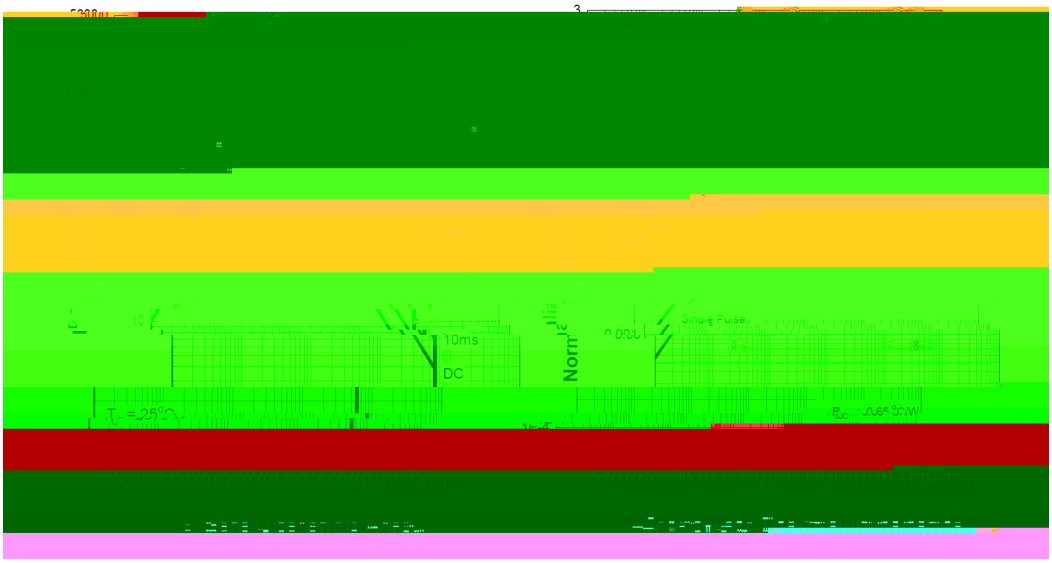
Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Turn-On Delay Time	$t_{d(on)}$	V_{GEN}=10V V_{DS}=30V R_L=0.6Ω R_G=3.9Ω I_{DS}=50A		25		ns
Turn-On Rise Time	t_r			112		
Turn-Off Delay Time	$t_{d(off)}$			70		
Turn-Off Fall Time	t_f			72		
Reverse Recovery Time	t_{rr}	I_{DS} = 50 A, V_{GS} = 0 V		92		nS
Reverse Recovery Charge	Q_{rr}	dI_{SD}/dt = 100 A/μs		105		nC

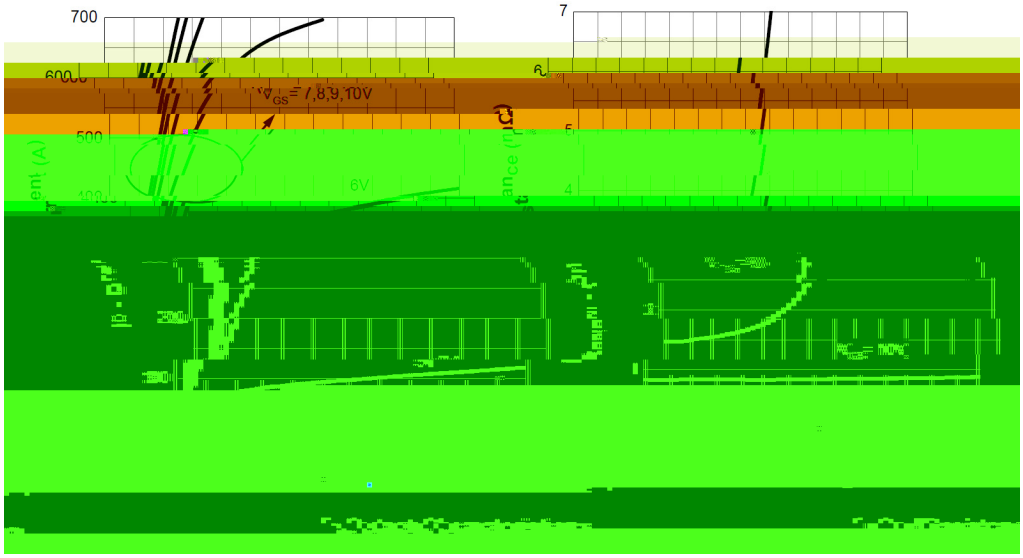
Note 1 Pulse test; pulse width ≤ 300 μs, duty cycle ≤ 2%.

Note 2 Guaranteed by design, not subject to production testing.

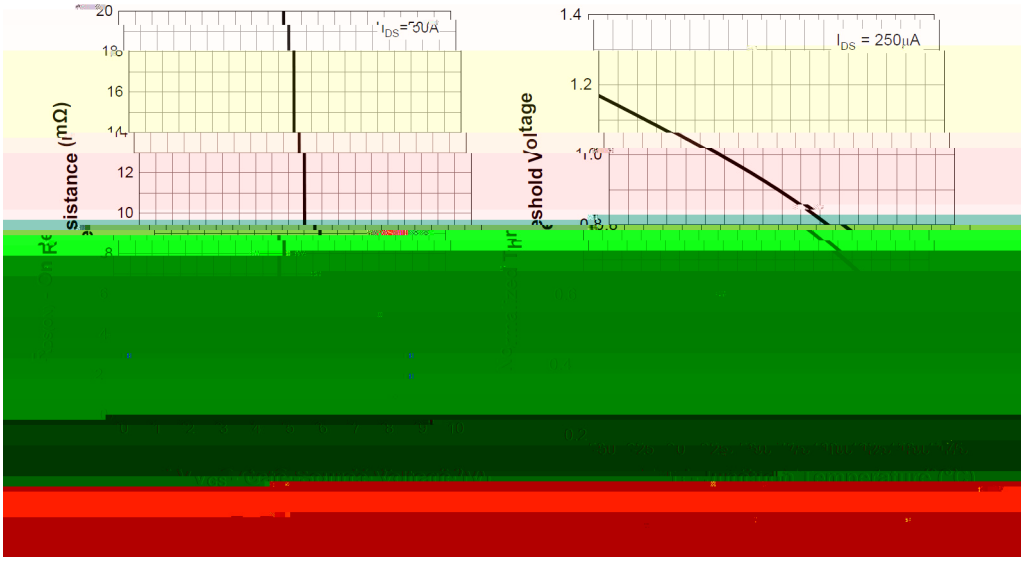
⁄ ∃ ̃Ą´E ⅵ ƒ / Electrical Characteristic Curve

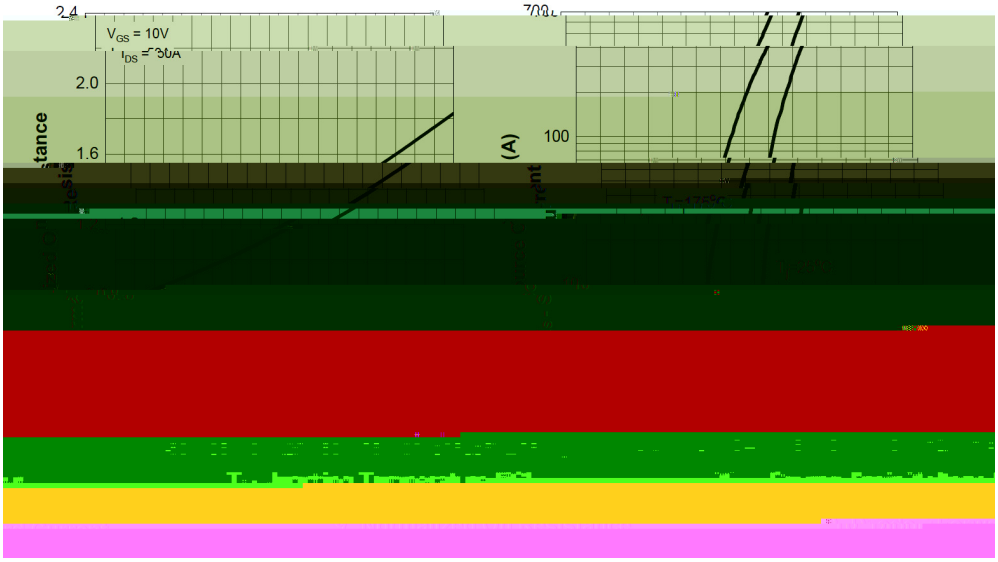


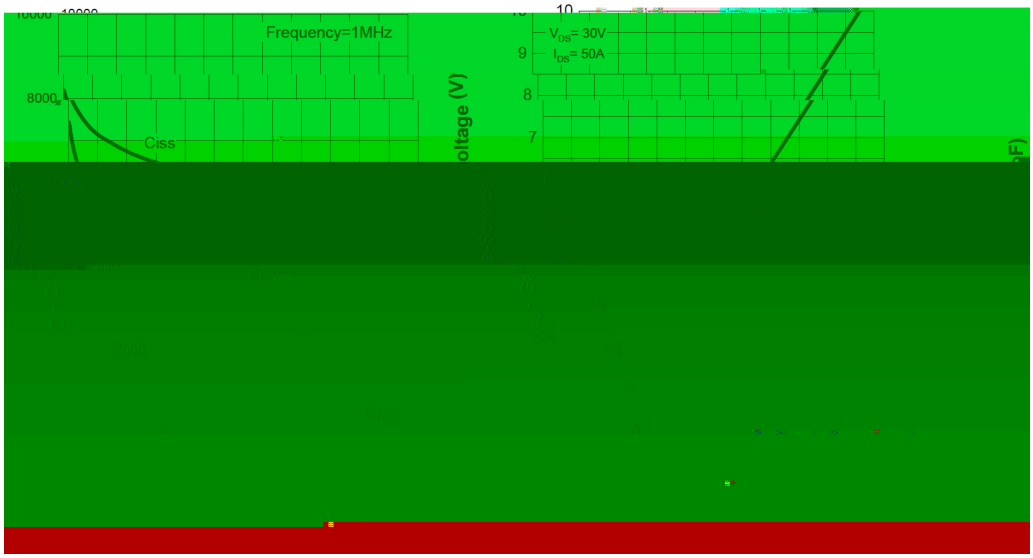




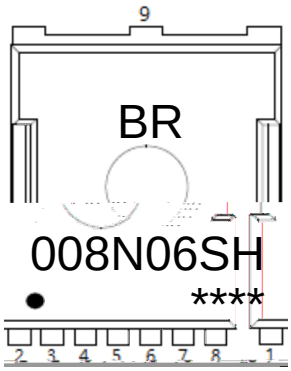
⁄ ∃ ÃΔ´E ¼ ƒ / Electrical Characteristic Curve







ł. Ļ'Ω / Marking Instructions



BR

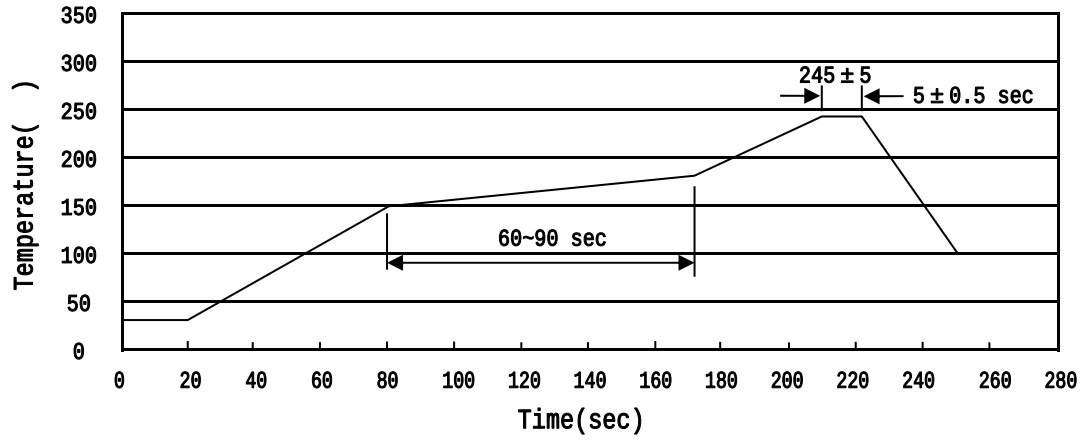
008N06SH

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Note

BR	Company Code
008N06SH	Product Type Code
****:	Lot No. Code, code change with Lot No.

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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.

ㅓ ü q ̄ `Y Ţ / Resistance to Soldering Heat Test Conditions

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

ɒ Ŀ ≮— / Packaging SPEC.

/ REEL

Package Type	Units					Dimension		(unit mm³)
	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''×24	360×360×50	380×335×366

ä ∀ Ļ Ѽ / Notices

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