

BRCS019N10SHTL

Rev.C Apr.-2025



蓝箭电子
BLUE ROCKET ELECTRONICS

DATA SHEET

TOLL-8L N

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

$V_{DS}(V)=100V$ $I_D=292A$

$R_{DS(ON)}@10V \leq 1.9m\Omega$ (Typ. 1.6mR)

Â HF Product.

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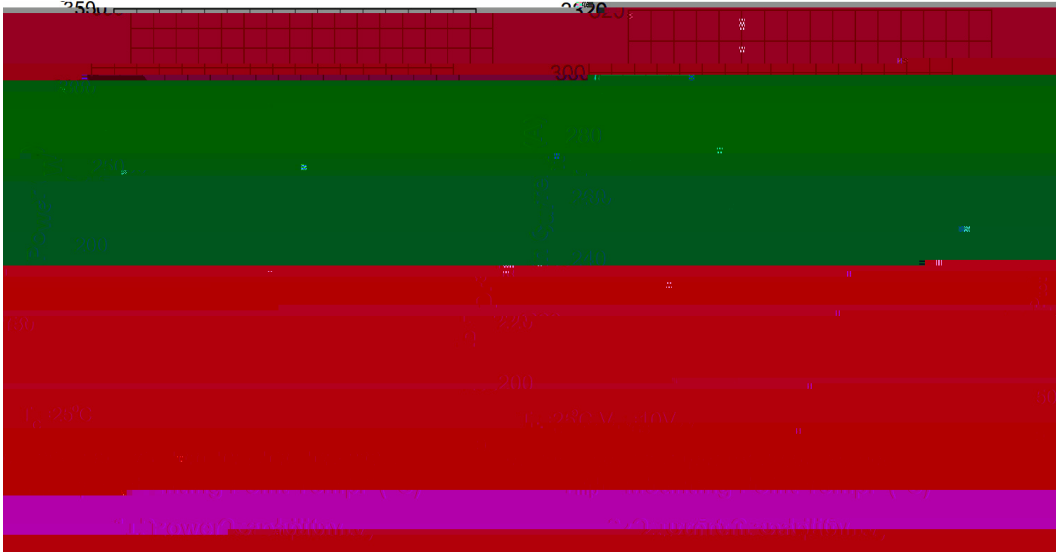
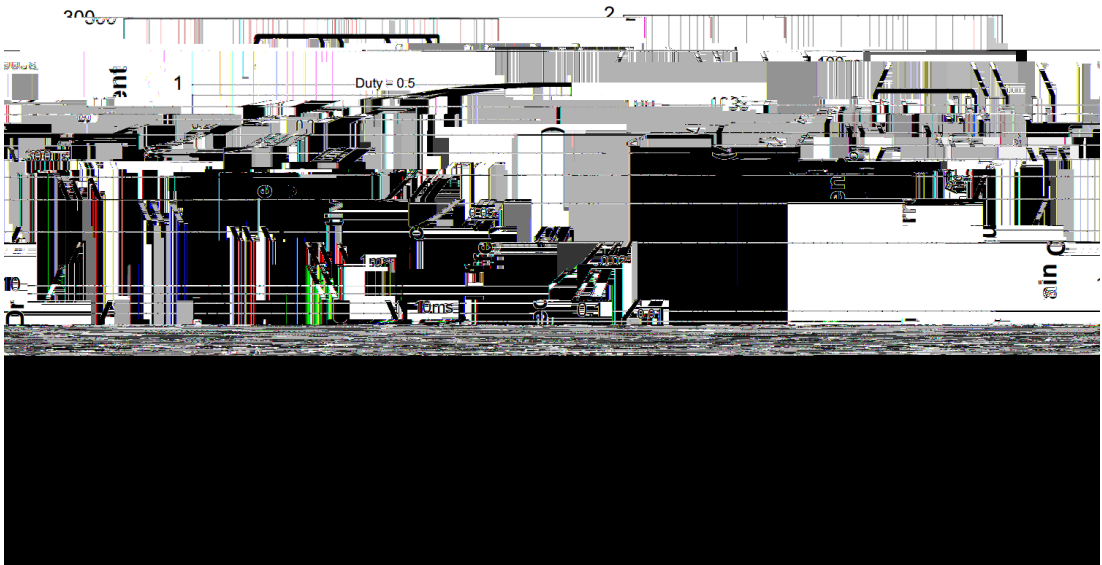
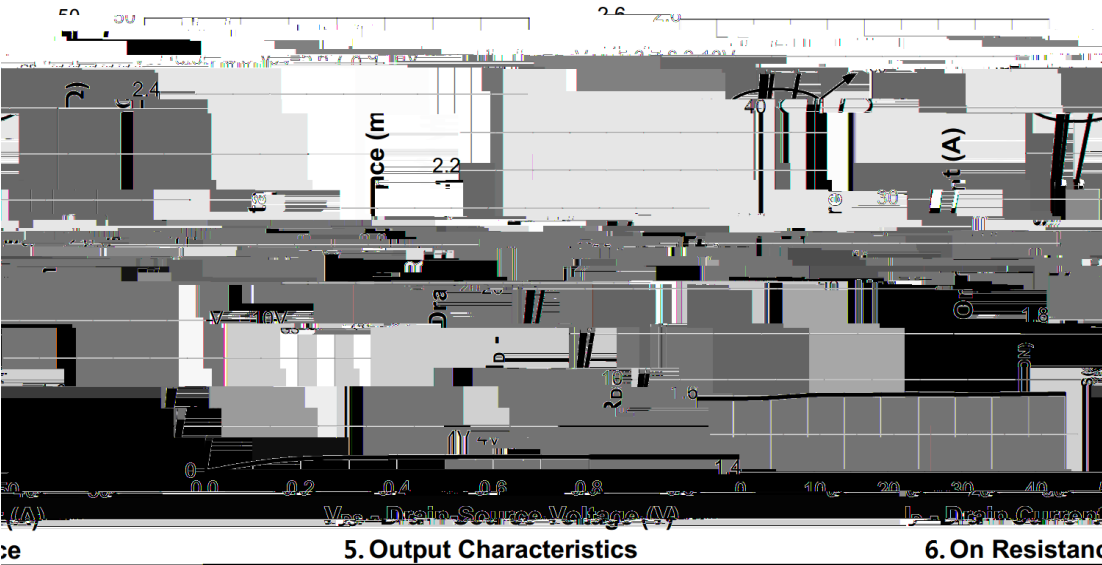
DATA SHEET

Parameter	Symbol	Rating	Unit
Drain-Source Voltage	V_{DS}	100	V
Drain Current - Continuous	I_D	292	A
Drain Current - Continuous	$I_D(T_c=100^\circ\text{N})$	292	A
Drain Current – Pulsed	I_{DM}	1168	A
Gate-Source Voltage	V_{GS}	≤ 20	V
Power Dissipation	P_{tot}	312.5	W
Continuous-Source Current	I_S	292	A

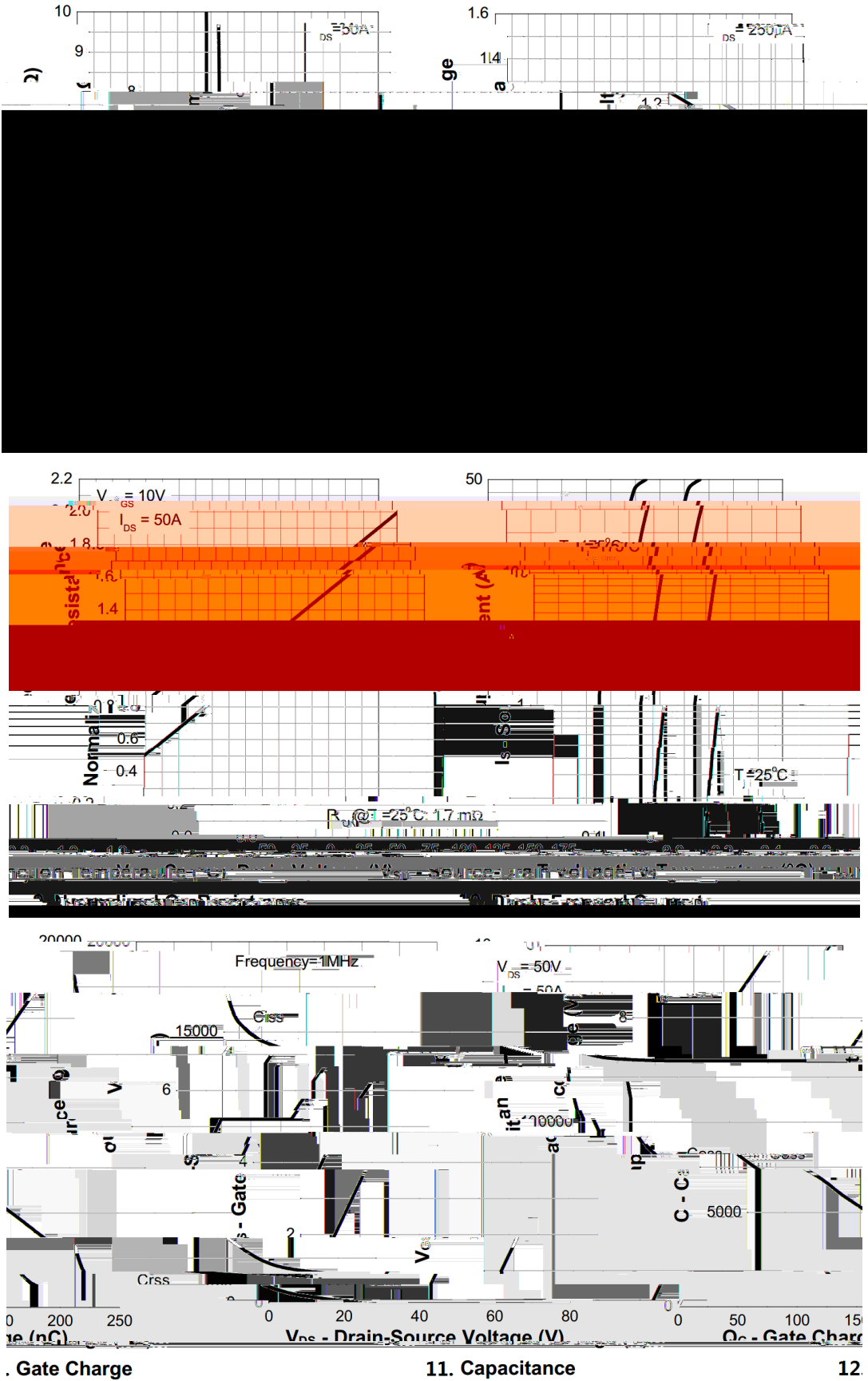
Single Pulse Avalanche
Energy($V_{DD}=50V, L=1mH$)

EmJ880.3(A) $\bar{T}_{JET}$ 7.02 678.44 481.32 .47998 ref555.62

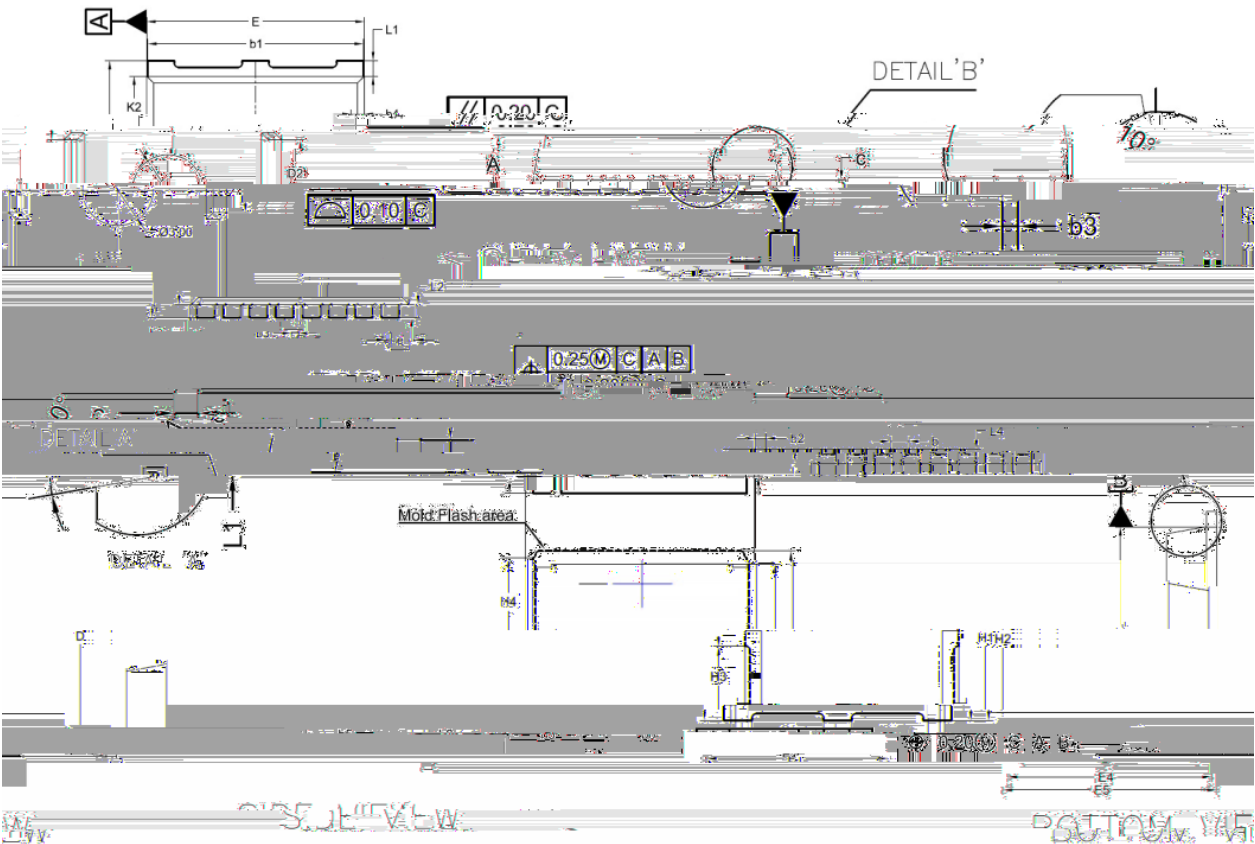
Electrical Characteristic Curve



Electrical Characteristic Curve



⌠ Ⓔ Ⓐ Ⓙ ⌘ / Package Dimensions



V p e r o	G l p h q v l r q v L q P l o o l p h w h u v			V p e r o	G l p h q v l r q v L q P l o o l p h w h u v		
	PLQ1	QRP1	PD[1		PLQ1	QRP1	PD[1
A	2.200	2.300	2.400	b1	9.700	9.800	9.900
c	0.492	0.500	0.508	b1	0.420	0.460	0.500
D	10.280	10.380	10.480	b3	0.350		
E	9.800	9.900	10.000	b4	0.600		
e	1.20 BSC			b5	3.100		
H	11.580	11.680	11.780	b6	1.200		
H1	6.650	6.750	6.850	L	1.700	1.900	2.100
H2	7.300			L1	0.700		
H3	3.200			L2	0.600 H я		

