

BRFL65R380C

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RevA Jlu-2023

@ Parameter	Z Symbol	Rating	Typical Unit
Drain-Source Voltage	V_{DSS}	650	V
Drain Current	$I_D(T_c=25^\circ C)$	11	A
Drain Current- Pulsed	I_{DM}	44	A
Gate-Source Voltage	V_{GS}	30	V
Single Pulsed Avalanche Energy	E_{AS}	277	mJ
Avalanche Current	I_{AS}	8	A
Power Dissipation	$P_D(T_c=25^\circ C)$	27	W
Operating and Storage Temperature Range	T_J, T_{STG}	-55 to 150	-

2014 T-b-Ca943.5(V)R25 -.04 3TD.0004 585.6803 Tm-(0.025(54(A))TJ.6425 -.04 TD0 Tc0 T7Tc2d7.0172 0 0 7.0.0

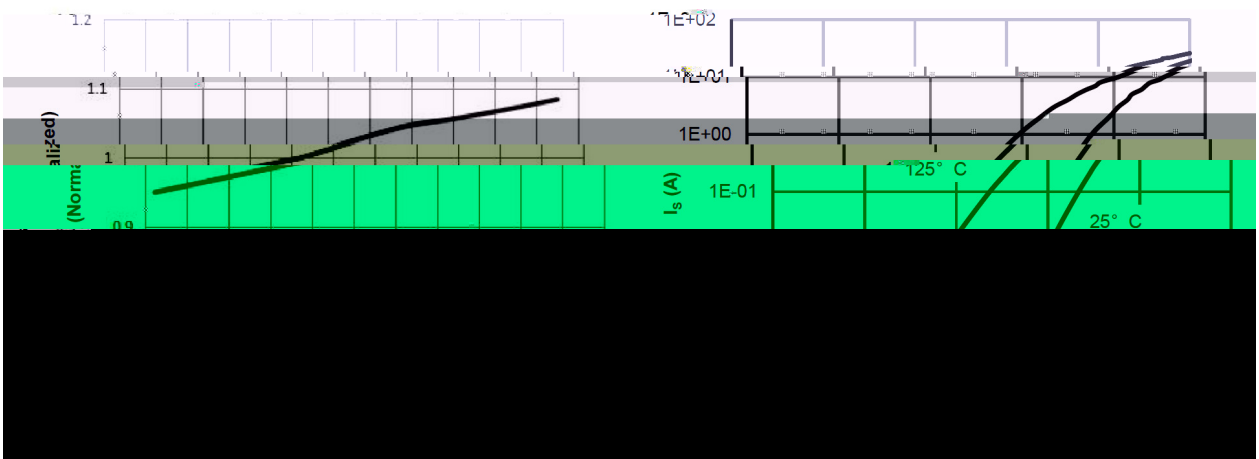
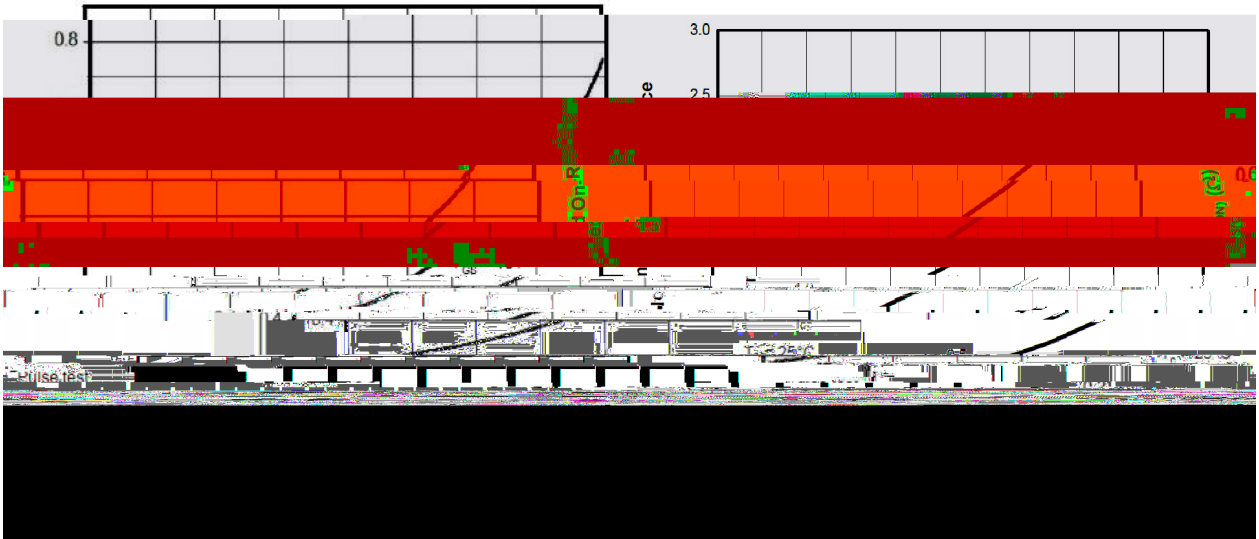
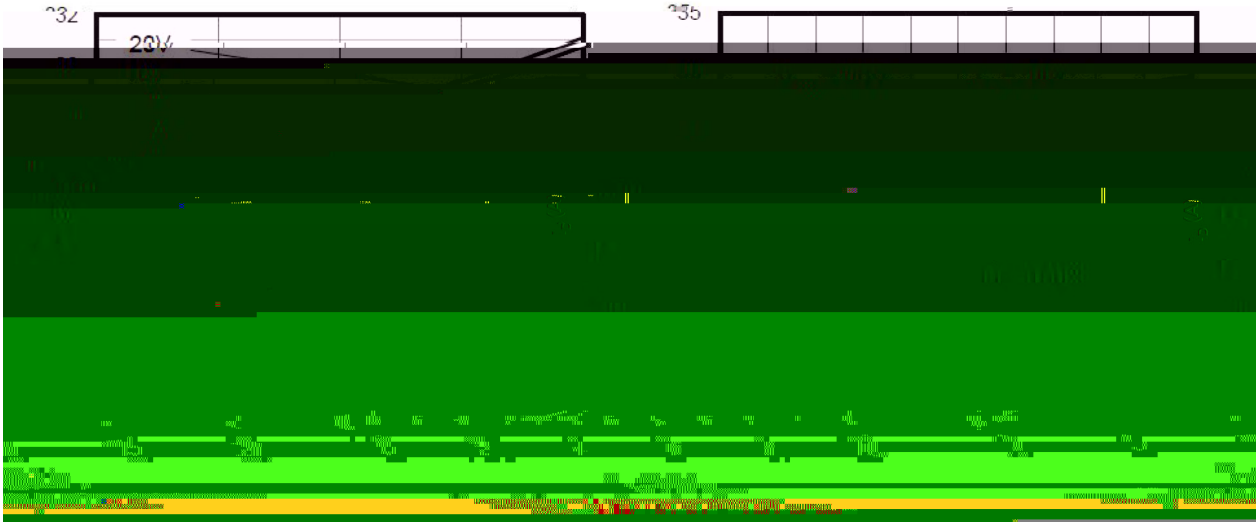
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Electrical Characteristics (Ta=25°C)

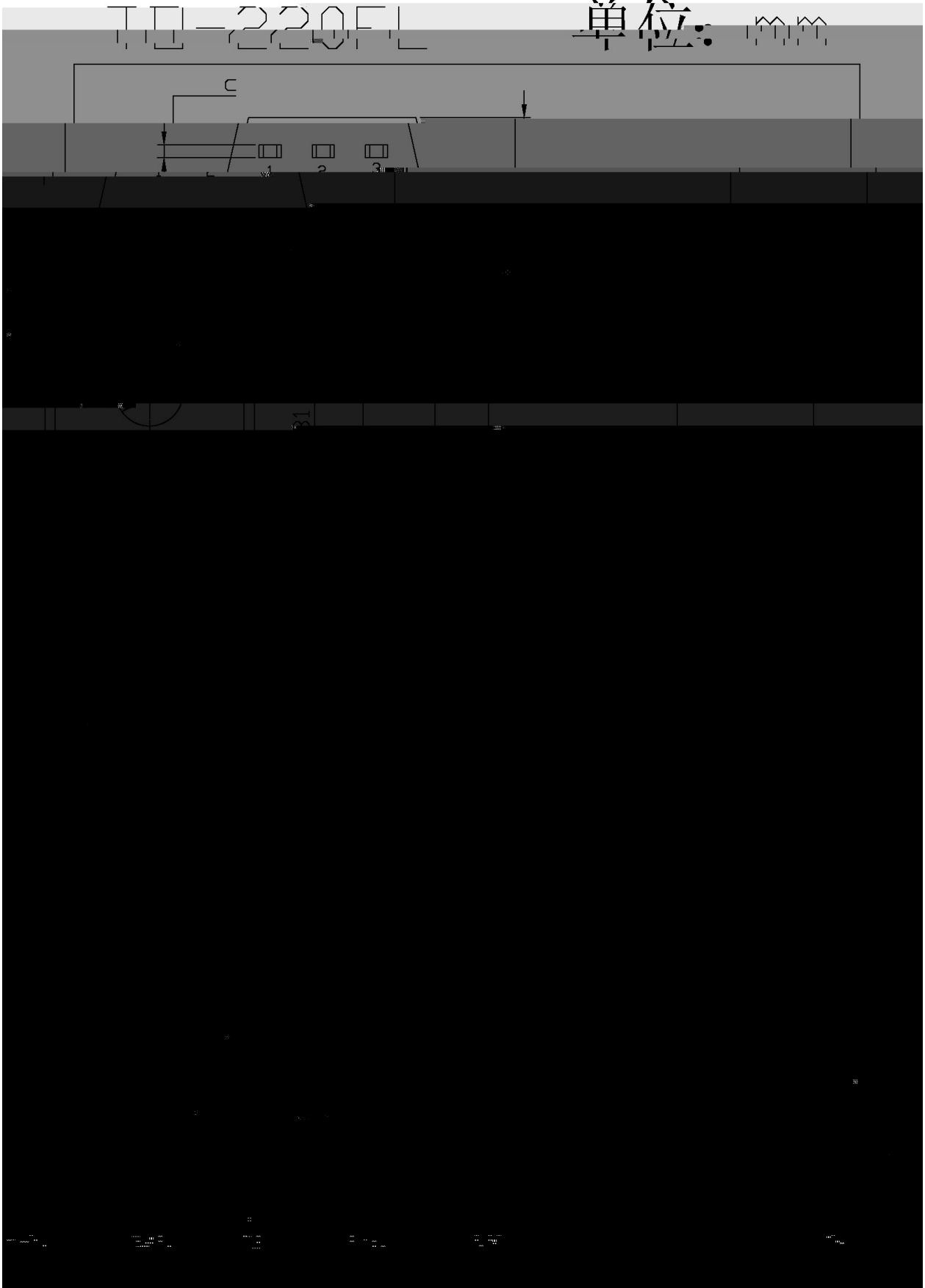
Parameter	Symbol	Test Condition	Min	Typ	Max	Unit
Continuous Diode Forward Current	I_{FS}				11	A
Total Gate Charge	Q_g	$V_{DS}=480V$ $I_D=5.5A$ $V_{GS}=10V$		19.2		nC
Gate-Source Charge	Q_{gs}			3.1		nC
Gate-Drain Charge	Q_{gd}			8.2		nC
Reverse recovery time	T_{rr}	$V_R=400V$, $I_F=5.5A$, $di_F/dt=100A/\mu s$		310		ns
Reverse recovery charge	Q_{rr}			2.8		nC

Electrical Characteristic Curve

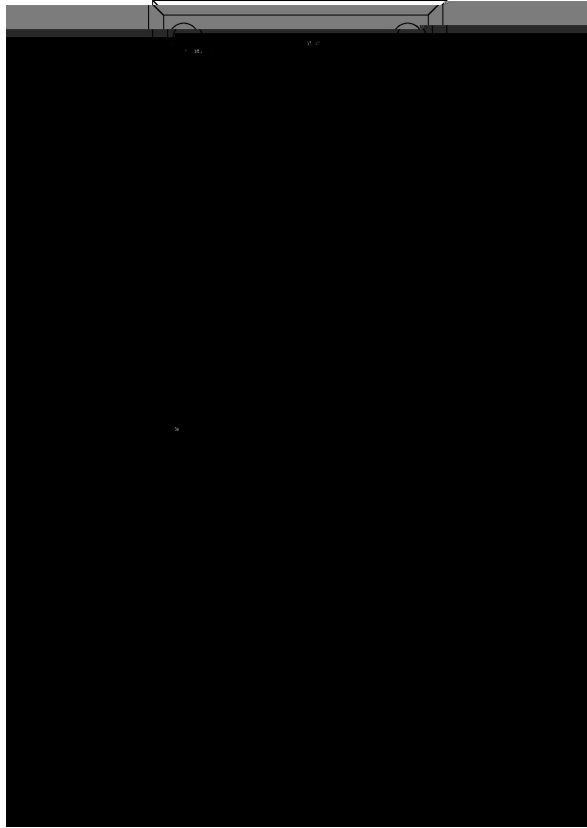


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Ø/ =) ⌀ / Package Dimensions



1. Marking Instructions



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BR y , [W A
8) y “ Z W A
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Note:
BR: CompanyCode
65R380C: ProductType
****: LotNo. Code, code change in LotNo

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蓝箭电子
BLUE ROCKET ELECTRONICS

DATA SHEET

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