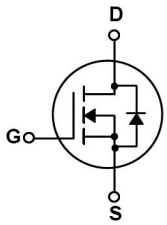
TO-220FL N

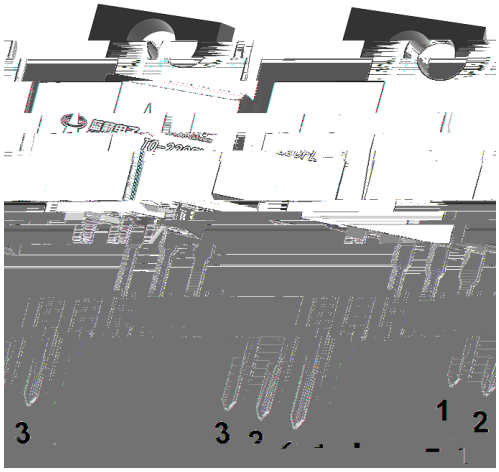
N-CHANNEL 650V Super-Junction Power MOSFET in a TO-220FL Plastic Package.

$R_{DS(on)}$×Qg 100% ROHS

Very low $R_{DS(on)}$×Qg,100% avalanche tested,RoHS compliant,HF product.

For switch mode power supply, uninterruptible power supply, power factor correction.





PIN1 G PIN 2 D PIN 3 S

Parameter	Symbol	Rating	Unit
Drain-Source Voltage	V_{DSS}	650	V
Drain Current	I_D(Tc=25)	8.5	A

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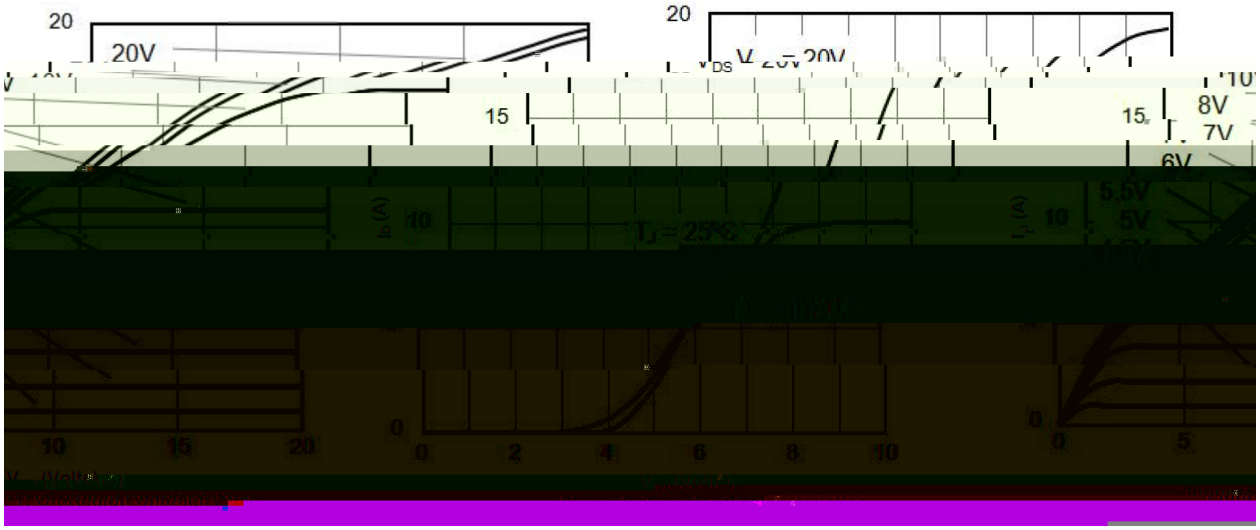
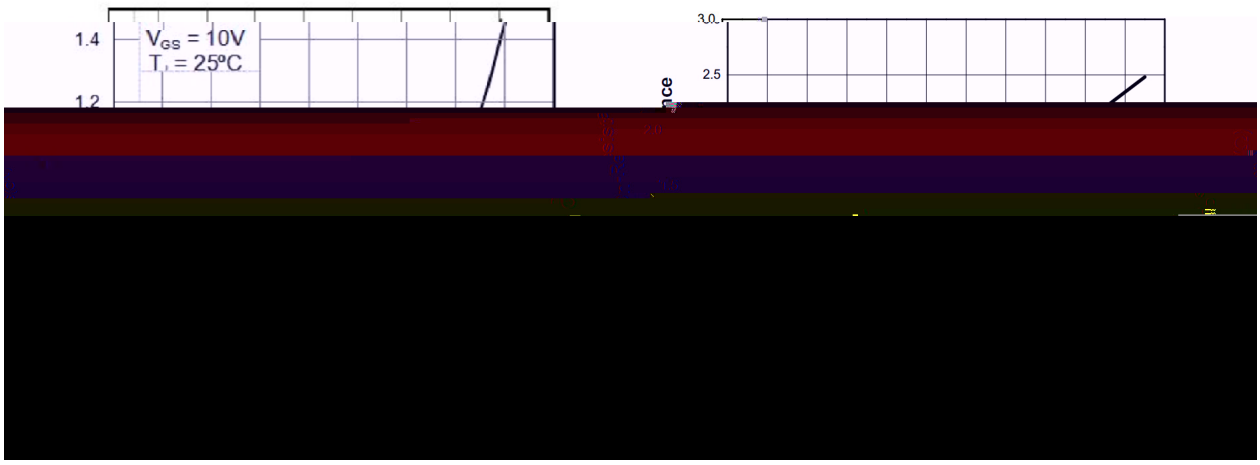
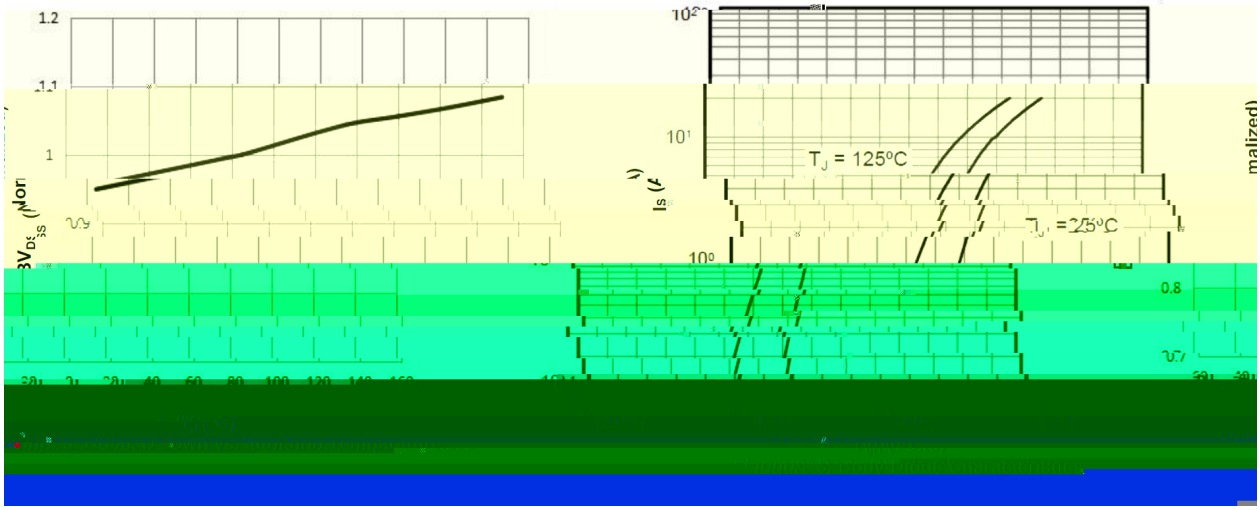
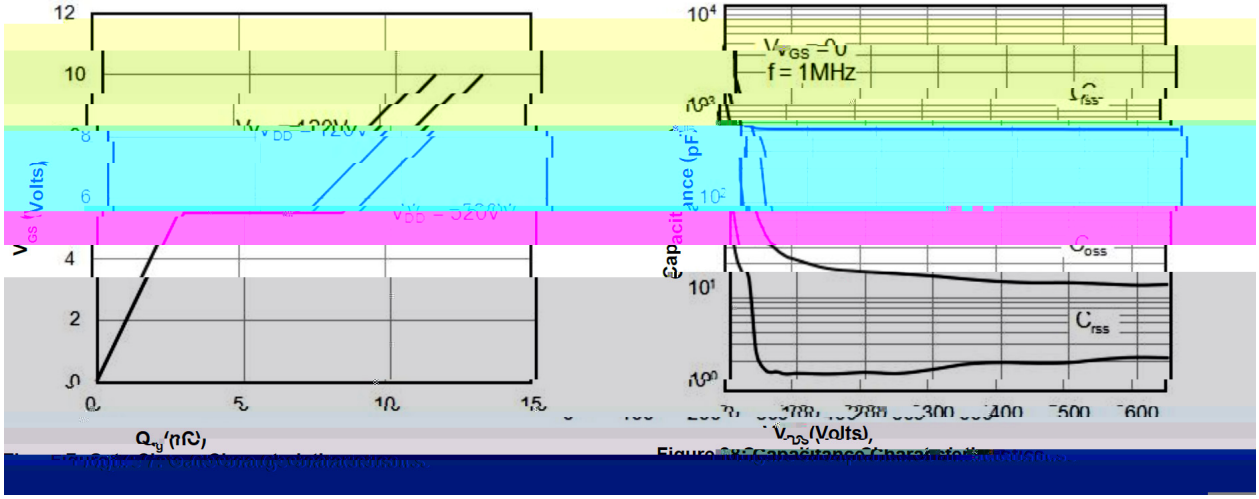
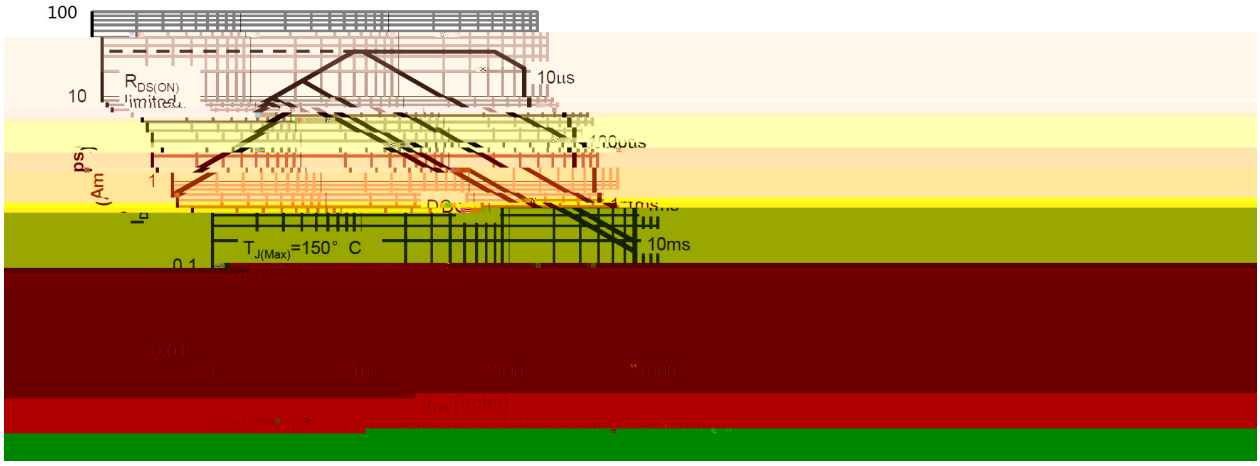
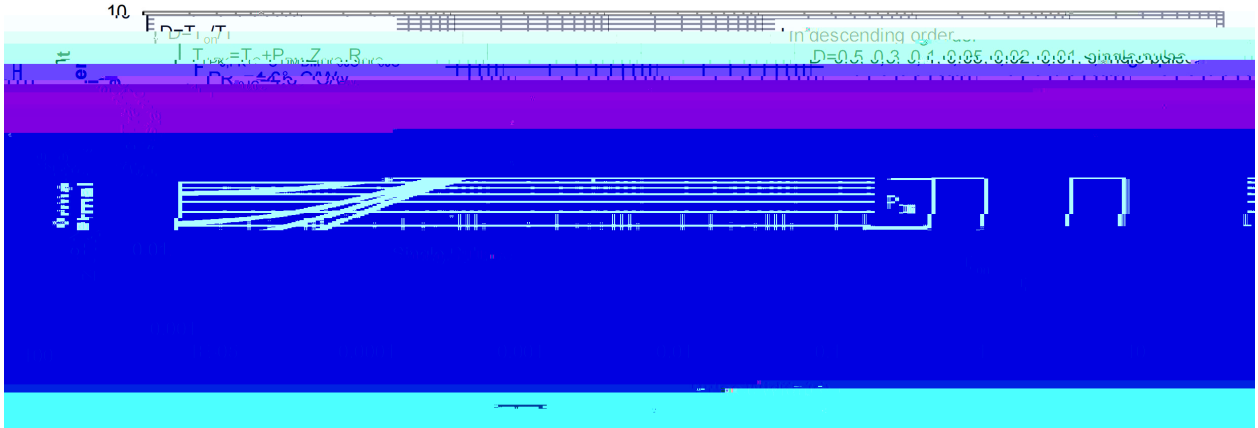

20
20V
15
10
0
10
15
20
0
2
4
6
8
10
20
15
8V
7V
6V
5.5V
5V
10
0
0
5

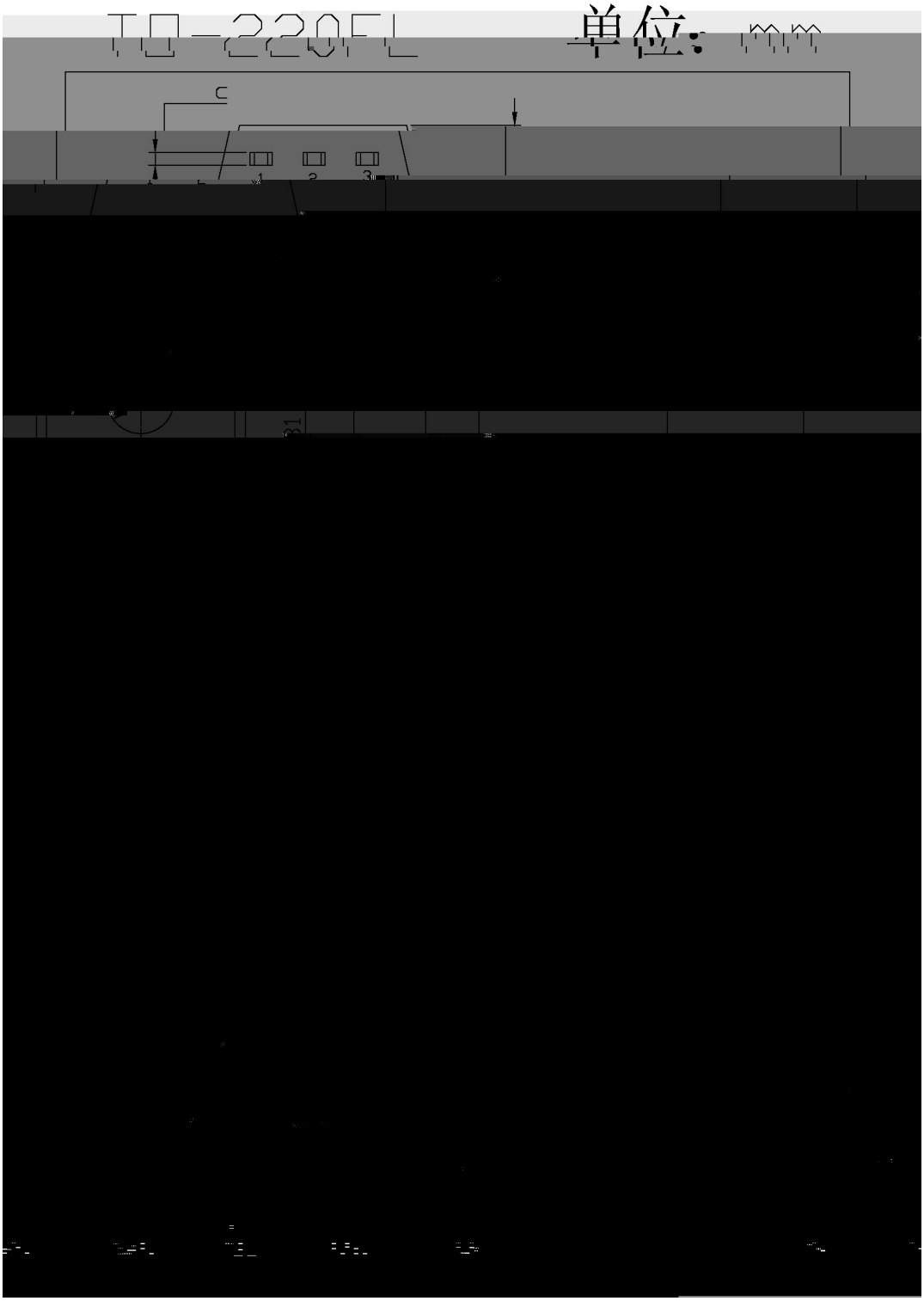

1.4
V_{GS} = 10V
T_J = 25°C
1.2
3.0
2.5

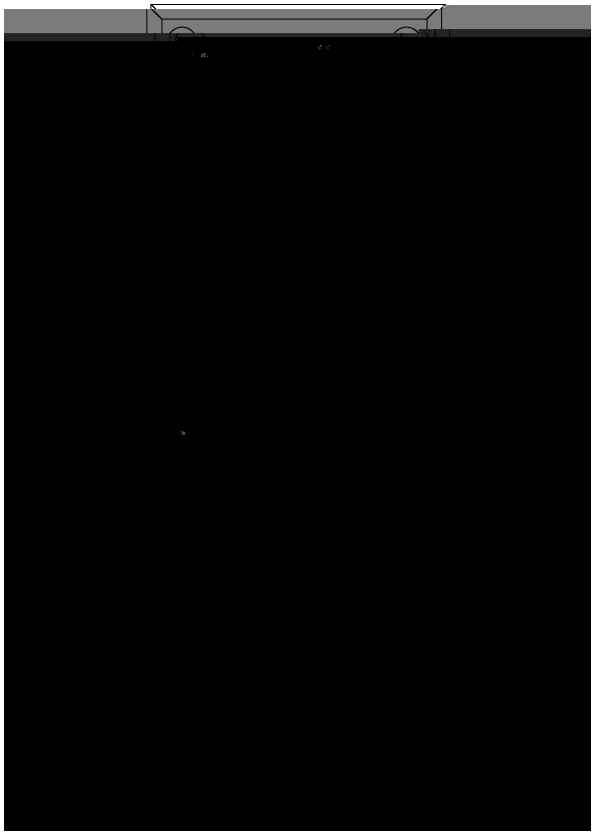

1.2
1.1
1
T_J = 125°C
T_J = 25°C
0.8


12
10
8
6
4
2
0
0
5
10
15
V_{GS} (Volts)
Q_g (nC)
10^4
10^3
10^2
10^1
10^0
V_{GS} = 0V
f = 1MHz
C_{iss}
C_{oss}
C_{rss}
Capacitance (pF)
300
400
500
600
V_{DS} (Volts)


100
10
1
0.1
$R_{DS(ON)}$ limited
10µs
100µs
1ms
10ms
DC
$T_{J(Max)}$=150° C
I_D (Amps)


10
In descending order
D=0.5, 0.3, 0.1, 0.05, 0.02, 0.01, single pulse


TO-220FL
单位：mm
C
1
2
3

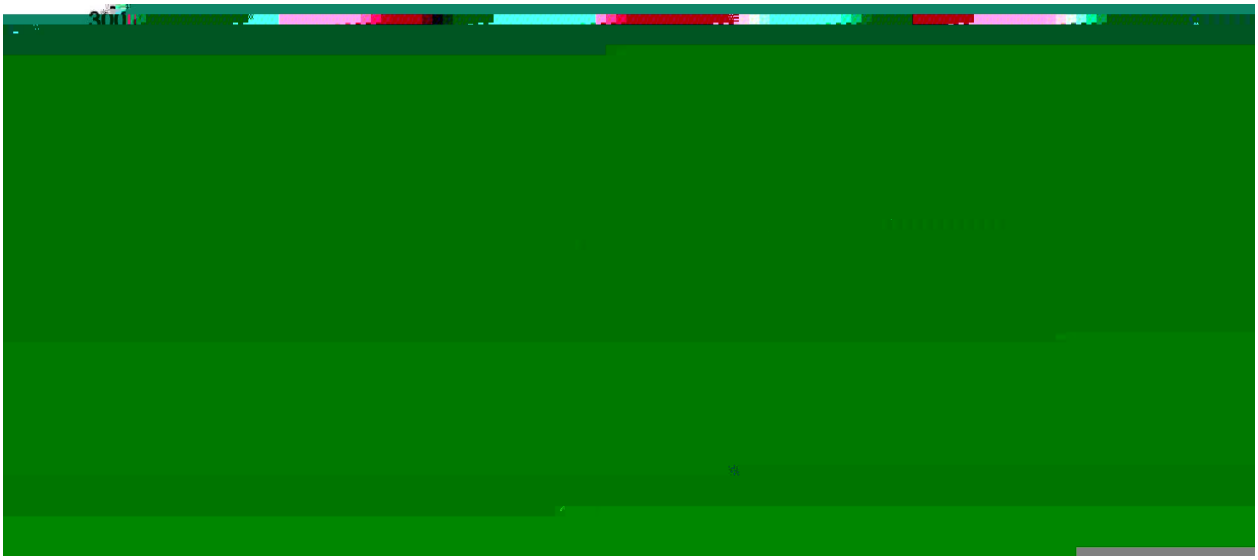


BR

65R600C

Note:

BR:	Company Code
65R600C:	Product Type Code
****:	Lot No. Code, code change with Lot No



	Note:
1 25 150 60 90sec;	1.Preheating:25~150 , Time:60~90sec.
2 255 5 5 0.5sec;	2.Peak Temp.:255 5 , Duration:5 0.5sec.
3 2 10 /sec.	3. Cooling Speed: 2~10 /sec.

270 5 10 1 sec. Temp.:270±5 Time:10±1 sec

/ TUBE

Package Type 7>û ˜ E	Units ;>û ¦H	Dimension ;>û p . (unit Æmm^3)