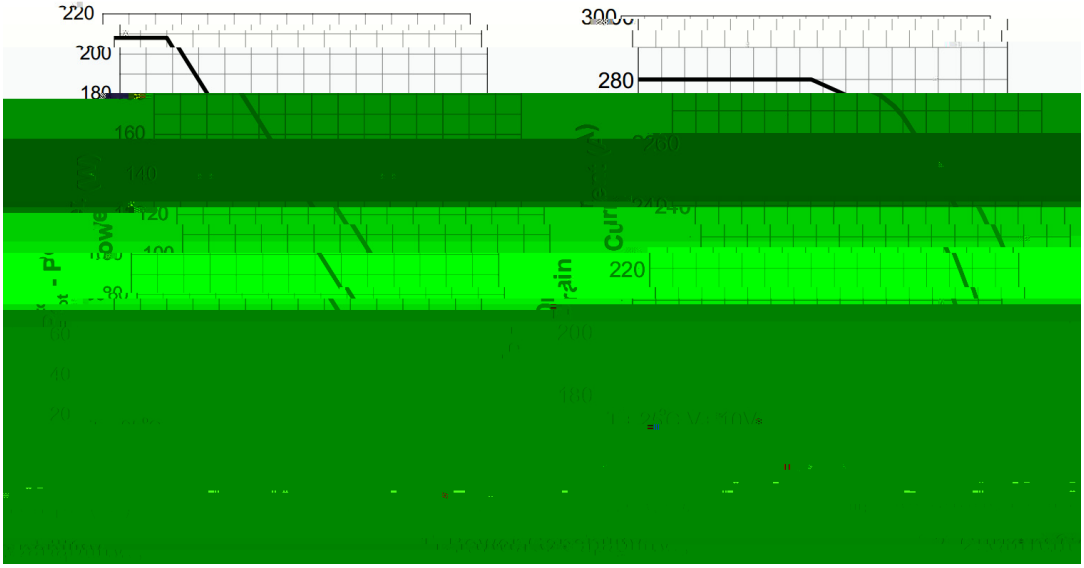
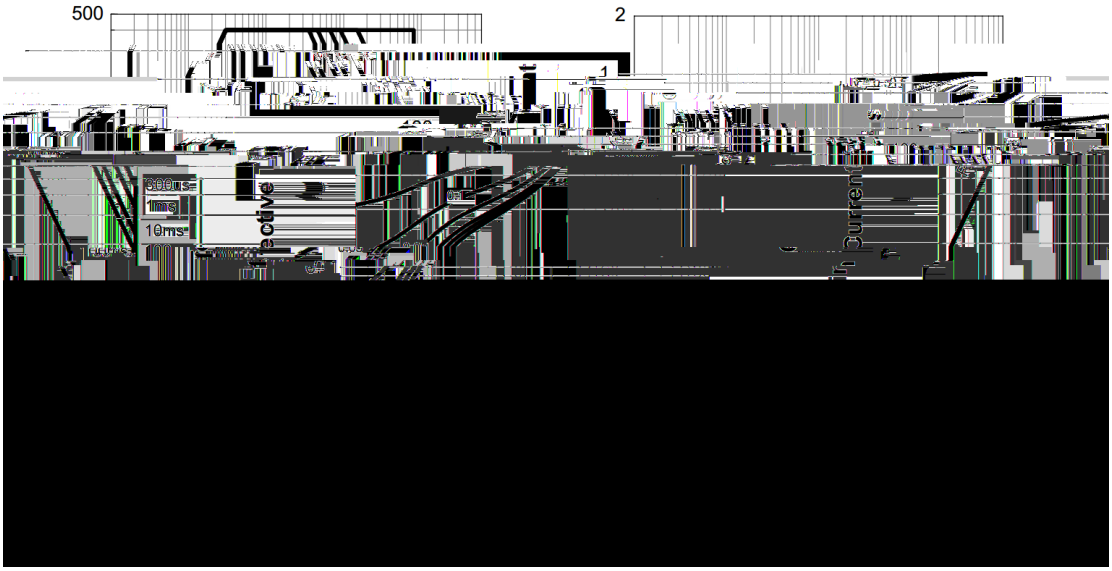
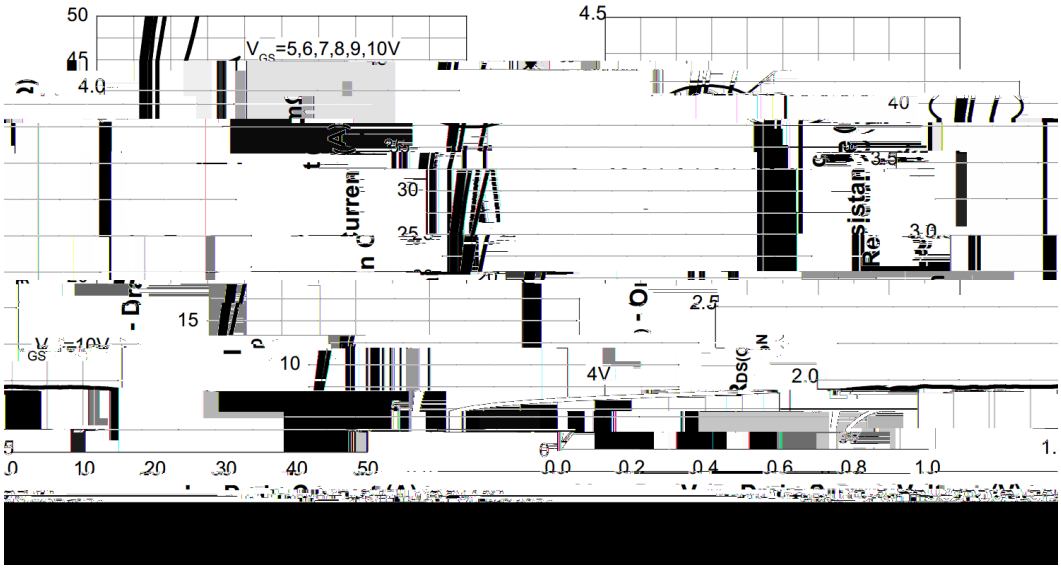
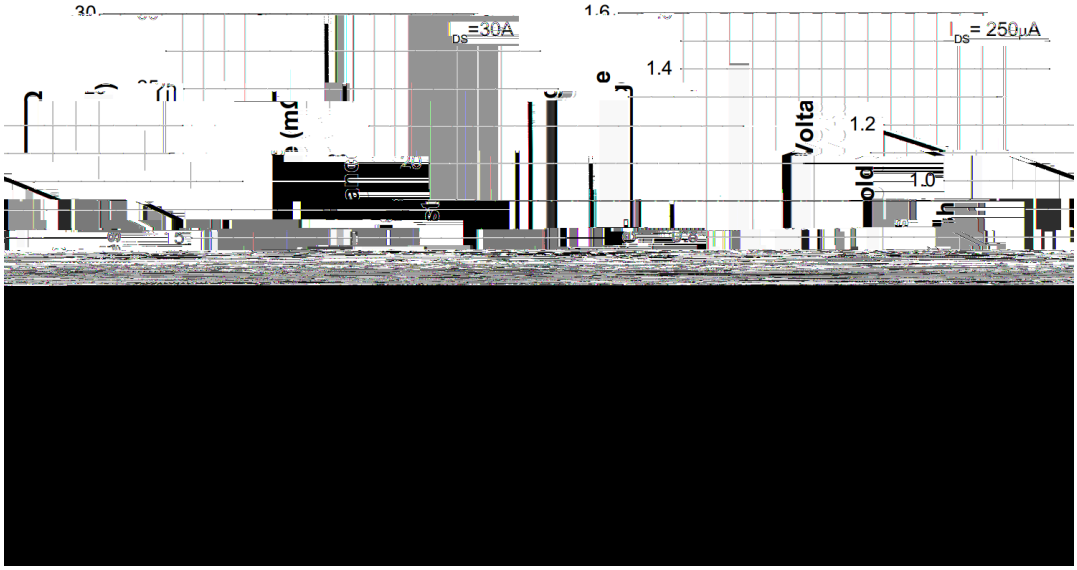
Parameter	Symbol	Rating	Unit
Drain-Source Voltage	V		

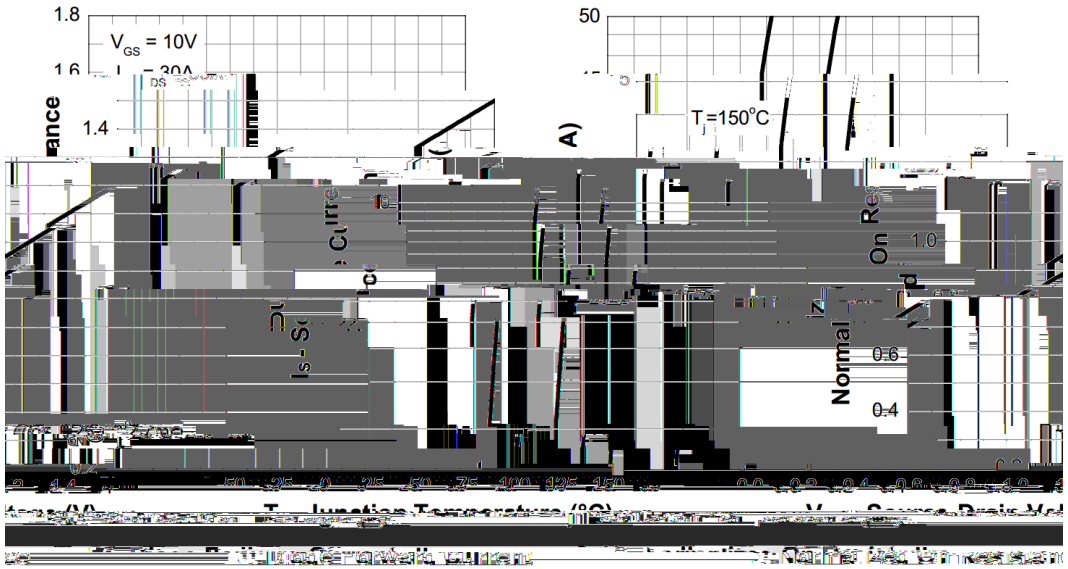
Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Turn-On Delay Time	$t_{d(on)}$	V_{GS}=10V V_{DS}=40V R_L=1.3 R_G=4.5 I_{DS}=30A		32		ns
Turn-On Rise Time	t_r			115		
Turn-Off Delay Time	$t_{d(off)}$			93		
Turn-Off Fall Time	t_f			140		
Reverse Recovery Time	t_{rr}	I_{DS} = 30 A, V_{GS} = 0 V dI_{SD}/dt = 100 A/ s		80		nS
Reverse Recovery Charge	Q_{rr}			196		nC

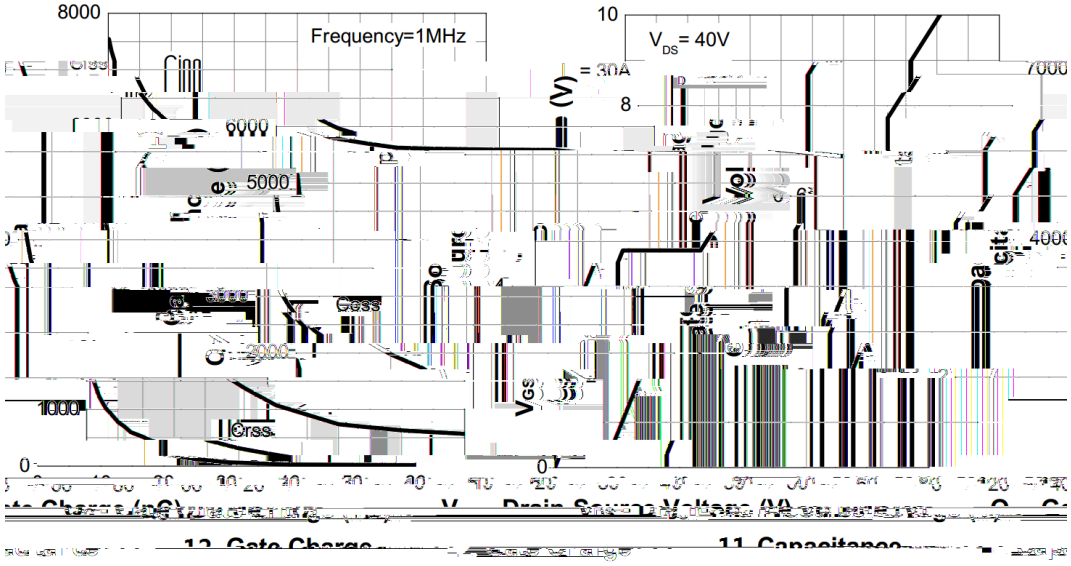

220
200
180
160
140
120
100
80
300
280
260
240
220

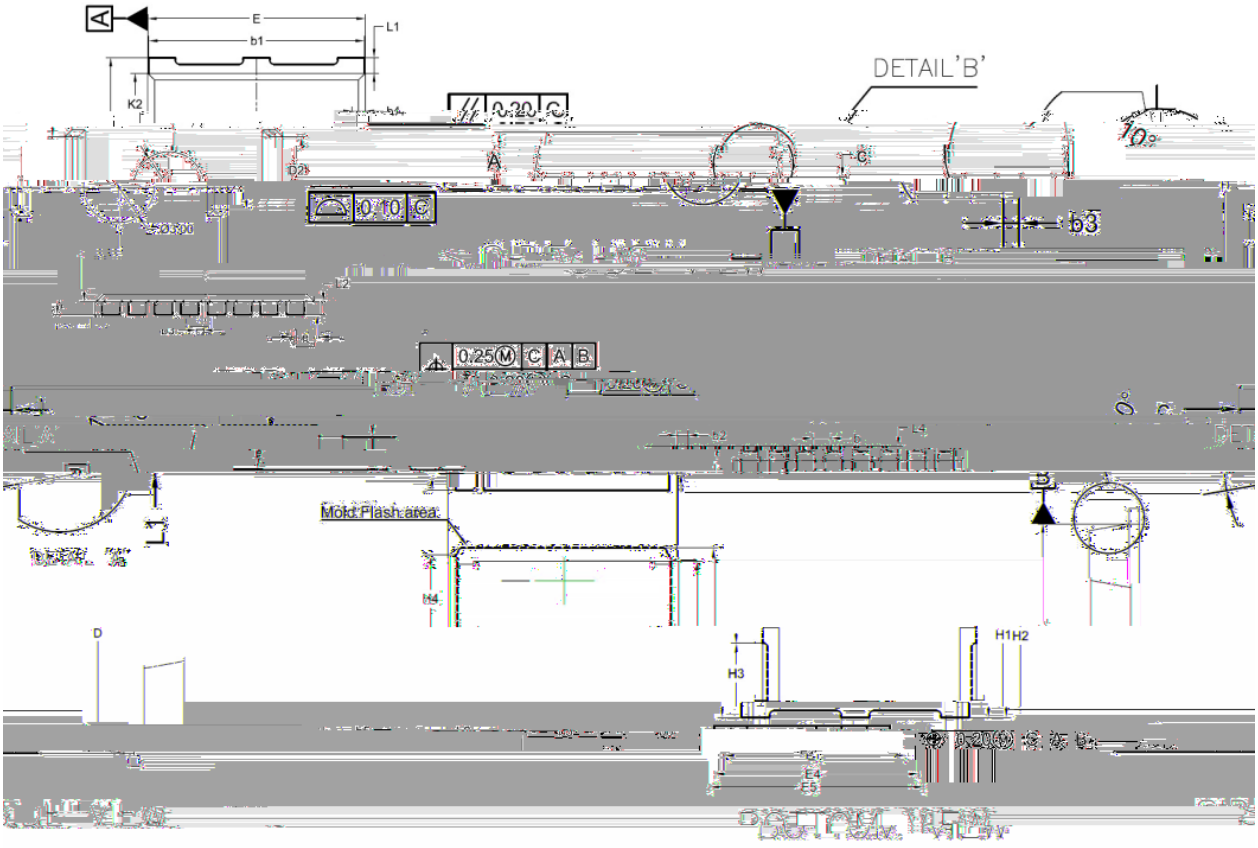

500
2
1
1ms
10ms


50
45
4.0
V_{GS}=5,6,7,8,9,10V
30
25
15
10
4V
4.5
40
3.5
3.0
2.5
2.0
0
10
20
30
40
50
0.0
0.2
0.4
0.6
0.8
1.0

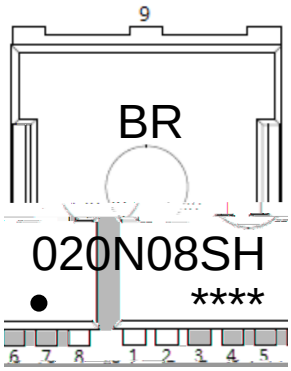

=30A
= 250μA
1.4
1.2
1.0


1.8
V = 10V
1.4
T=150°C
1.0
0.6
0.4


8000
Frequency=1MHz
Ciss
6000
5000
4000
3000
2000
1000
Crss
0
10
V = 40V
8
7000
4000



Symbol	Dimensions In Millimeters			Symbol	Dimensions In Millimeters		
	MIN.	NOM.	MAX.		MIN.	NOM.	MAX.
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		
H4	3.800			L4	1.050	1.150	1.250
K1	4.180			L5	0.500	0.600	0.700
K2	2.900			E1	7.800		
D2	3.300			E4	8.800		
b	0.700	0.800	0.900	E5	9.200		



BR

020N08SH

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Note

BR	Company Code
020N08SH	Product Type Code
****:	Lot No. Code, code change with Lot No