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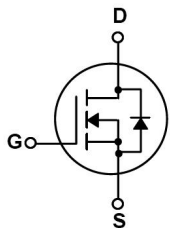
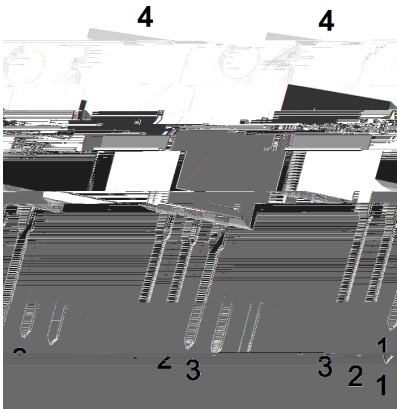
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$V_{DS} (V) = 200V$ $I_D = 67A$ ($V_{GS} = f 20V$)
8*9 54 & < SS : _ V SS
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DC - DC Cb



PN yG P2 o 4 yD P3 yS

, M V

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@	Z		% y
V_{DS}	V_{DS}	200	V
I_D	$I_D(25^\circ C)$	67	A
	$I_D(100^\circ C)$	42	A
I_{DM}	I_{DM}	175	A
V_{GS}	V_{GS}	f 20	V
E_{AS} ($V_{DD}=50V, t=1.0\mu s$)	E_{AS}	685	m
I_s	I_s	67	A
P_D	$P_D(25^\circ C)$	227	W
$T_J, T_{\theta JA}$	$T_J, T_{\theta JA}$	-55 to 150	
R_{JA}	R_{JA}	42	- /W
R_{JC}	R_{JC}	0.55	

y

 * $t_{on} = 300 \mu s$, $t_{off} = 2 \mu s$

 ** $t_{on} = 10 \mu s$

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@	Z	y i U	4	"	Y	% y
			M	p	M	
$V_{GS} = 0V, I_D = 250 A$	$V_{GS} = 0V, I_D = 250 A$	200				V
$V_{DS} = 160V, V_{GS} = 0V$	$V_{DS} = 160V, V_{GS} = 0V$			1		A
$V_{GS} = 20V, V_{DS} = 0V$	$V_{GS} = 20V, V_{DS} = 0V$			f 100		A
$V_{DS} = V_{GS}, I_D = 250 A$	$V_{DS} = V_{GS}, I_D = 250 A$	2		4		V
$R_{DS(on)}$	$R_{DS(on)}$	$V_{GS} = 10V, I_D = 30A$		17	20	m
	$R_{DS(on)}$	$V_{GS} = 6V, I_D = 20A$		19	22	
$V_{GS} = 0V, I_S = 30A$	$V_{GS} = 0V, I_S = 30A$			1.3		V
t_{on}	t_{on}	$I_{DS} = 30 A, V_{GS} = 0 V$		118		s
Q_g	Q_g	$t_{on} = 100 A / s$		441		s
C_{iss}	C_{iss}	$V_{DS} = 100V, V_{GS} = 0V$ $f = 1MHz$		3517		pF
C_{oss}	C_{oss}			200		
C_{res}	C_{res}			30		
Q_{rr}	Q_{rr}	$V_{DS} = 100V, V_{GS} = 10V$ $I_D = 30A$		59		s
Q_{rr}	Q_{rr}			20		
Q_{rr}	Q_{rr}			14		

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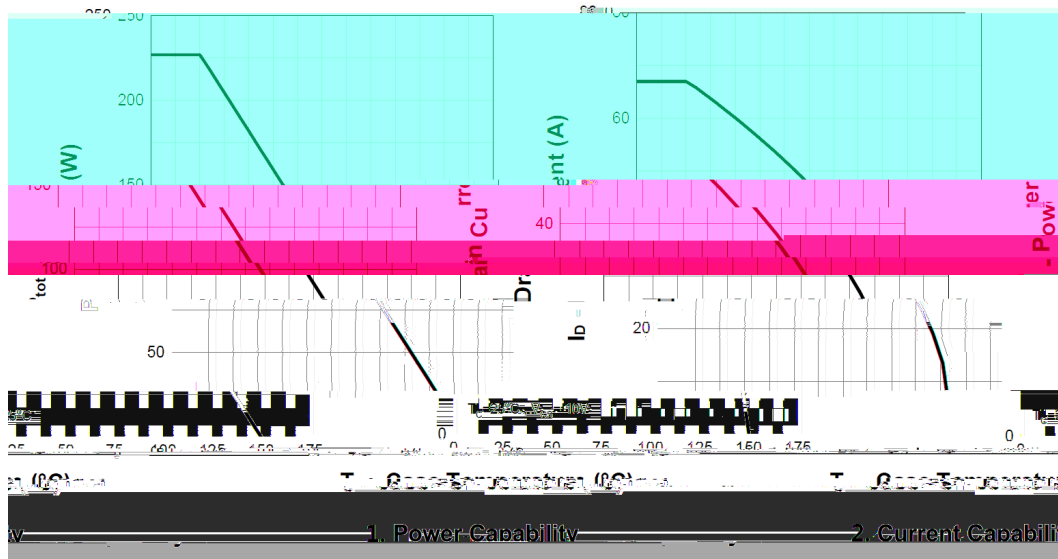
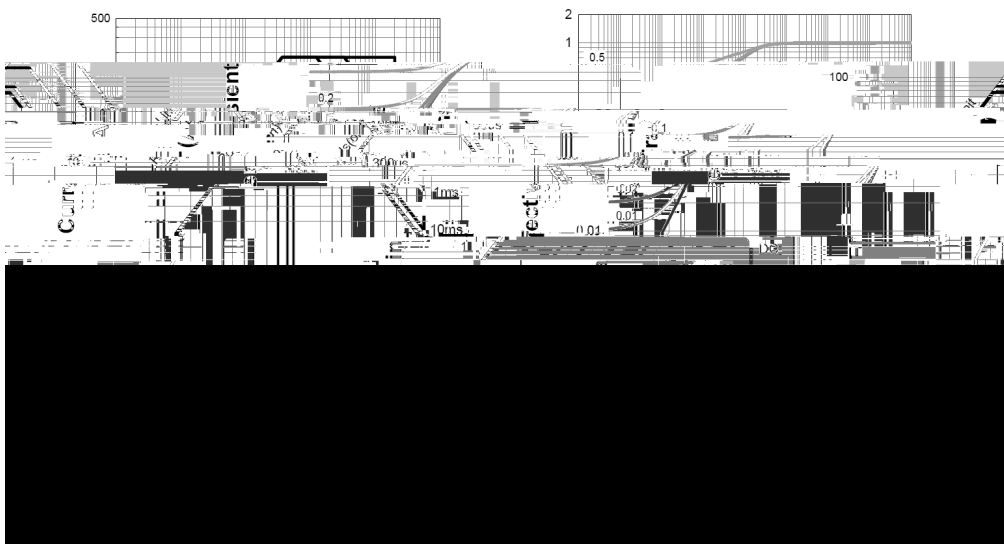
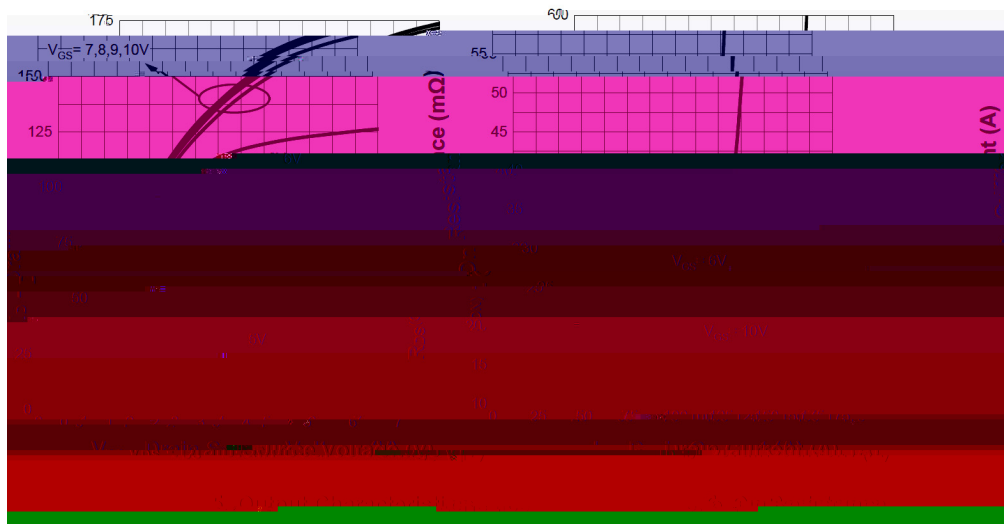
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测试条件: 环境温度: 25℃; 相对湿度: 50%; 电源电压: 10V; 负载电阻: 3.3Ω; 测试时间: 10s; 测试频率: 100kHz; 测试精度: ±1%; 测试方法: 静态测试; 测试设备: 功率分析仪; 测试地点: 实验室; 测试人员: 张三; 测试日期: 2025.11.16; 测试报告编号: BR-2025-1116-001

测试项目	测试条件	测试方法	测试结果	测试精度	测试设备	测试地点
功率损耗	100V	静态测试	16	±1%	功率分析仪	实验室
效率	100V	静态测试	82	±1%	功率分析仪	实验室
功率损耗	100V	静态测试	38	±1%	功率分析仪	实验室
效率	100V	静态测试	86	±1%	功率分析仪	实验室

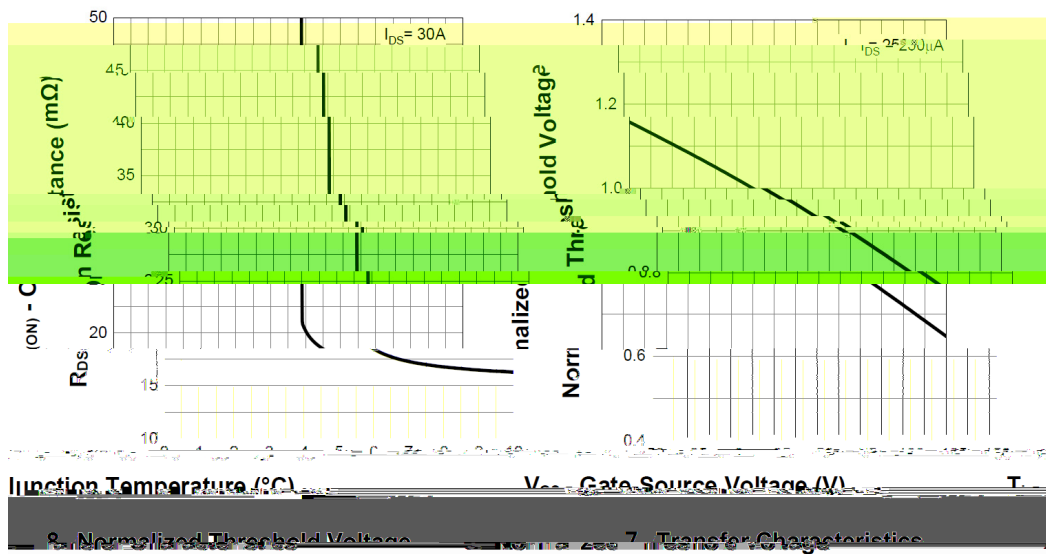
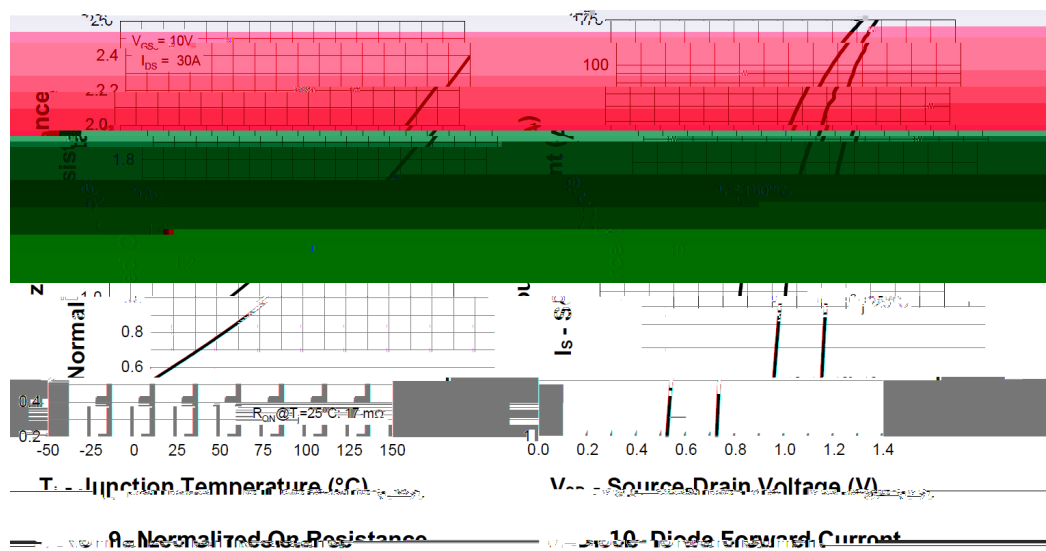
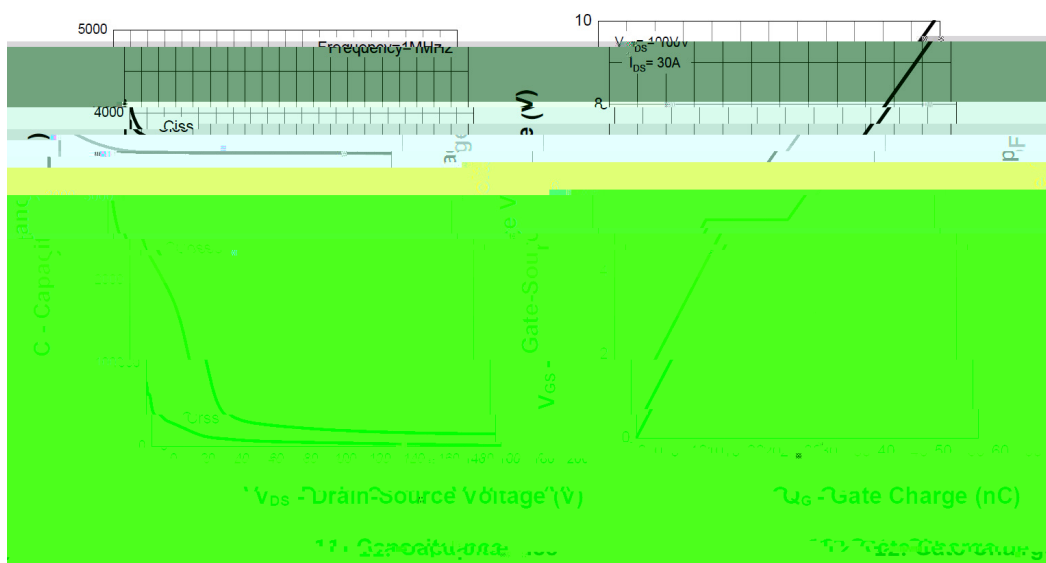
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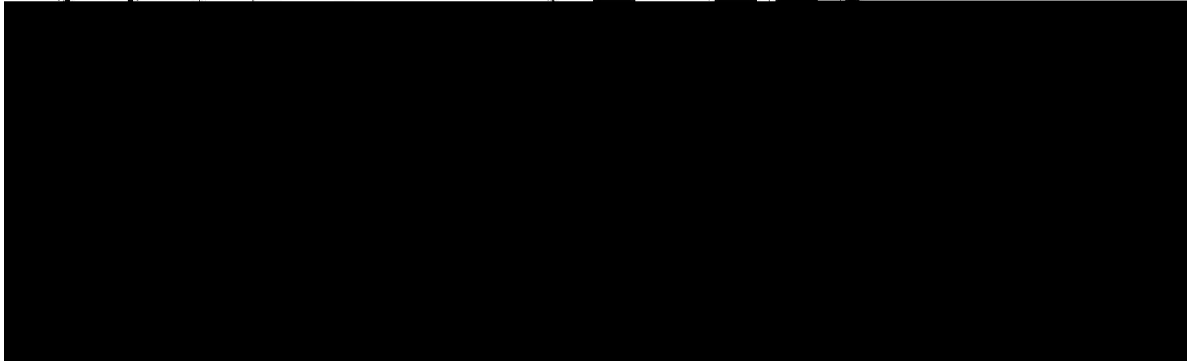
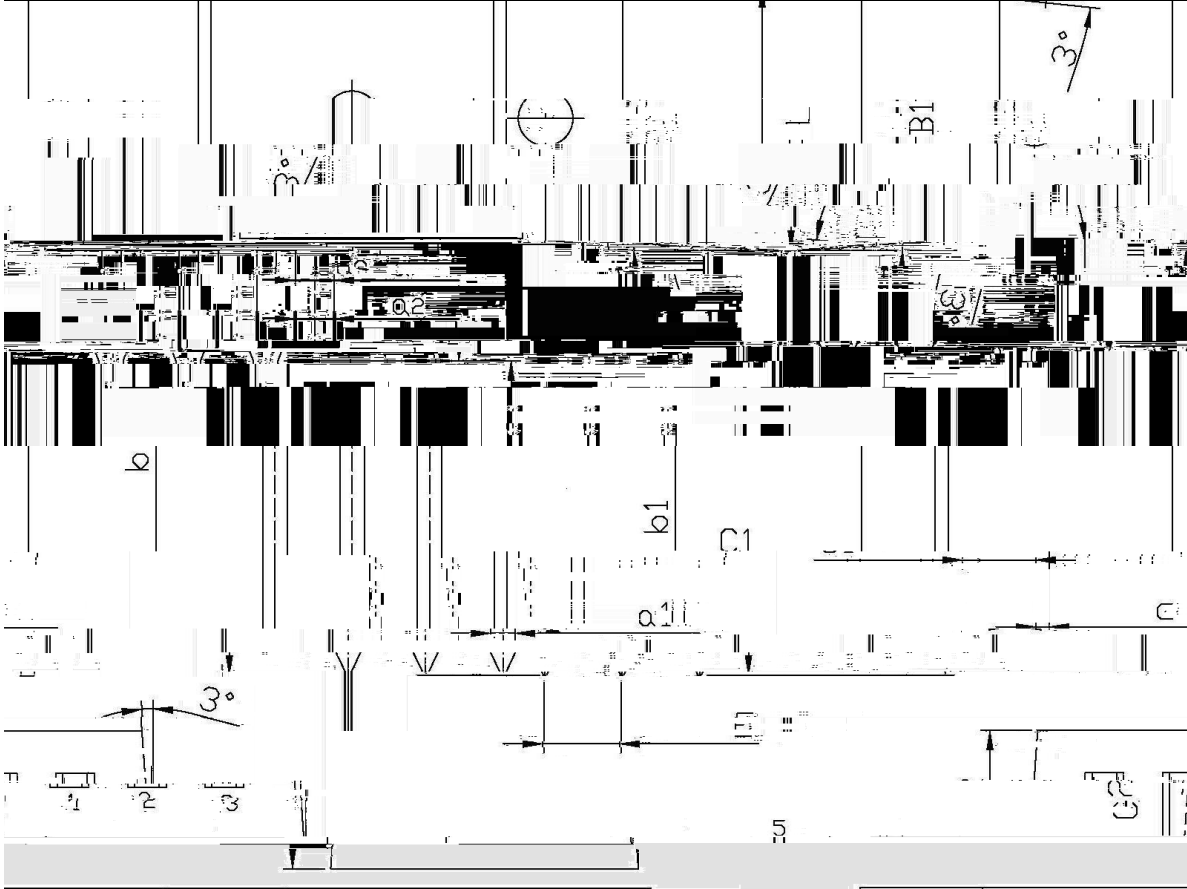
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图 1. 09221 图 1. 09221



Symbol	Min	Max	Symbol	Min	Max
2	1.2	1.4	A	9.8	10
3.64	B	6.3	6.7	R	3.56
16.1	R	9.4	9.4	15.7	
13.6	C1	P.6	P.6	b	12.6



