BSM4006H4

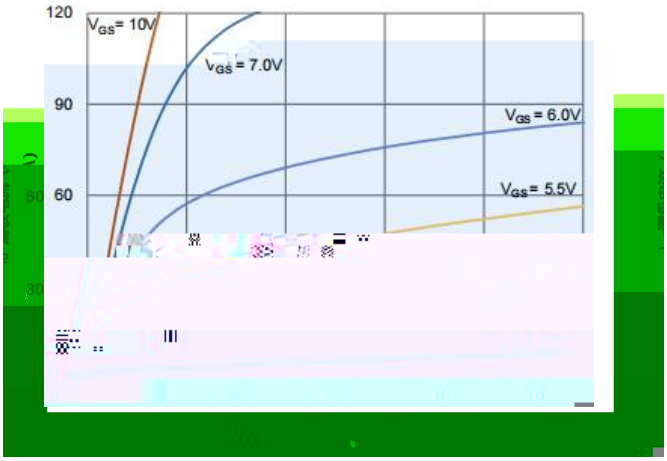
		V_{DS}	40	V
		V_{GS}	20	V
V_{GS}=10V (1)	T_C=25	I_D	40	A
	T_C=100		30	A
(2)		I_{DM}	197	A
3		E_{AS}	116	mJ
L=0.1mH		I_{AS}	28	A
	T_C=25	P_D	42	W
	T_C=100		21	W
		T_J, T_{STG}	-55~+175	

(4)	$R_{\theta JA}$	60	75	/W
(5)	$R_{\theta JC}$	4.5	5.8	/W

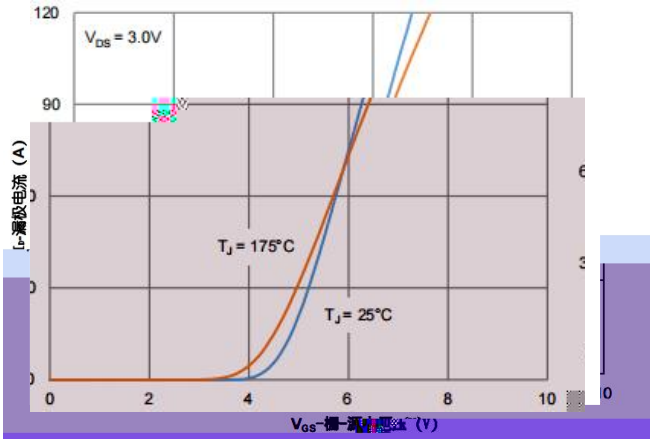


VGS=6.0V

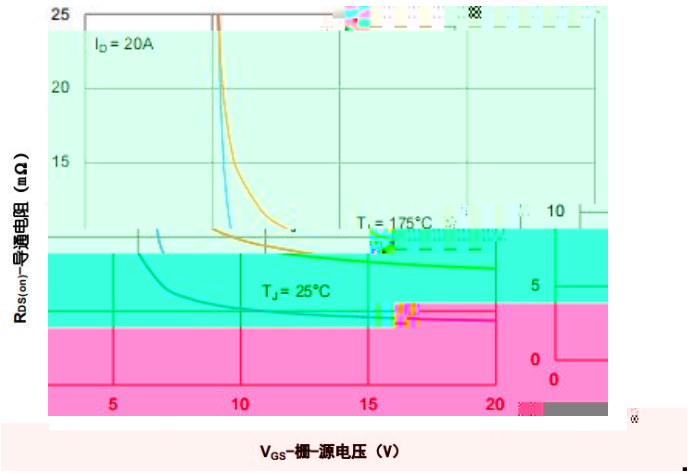
Q_{gd}		2.9	nC
Q_{gs}		4.6	nC
$V_{plateau}$	V_{DS}		


120
90
60
V_{GS}= 10V
V_{GS} = 7.0V
V_{GS} = 6.0V
V_{GS}= 5.5V

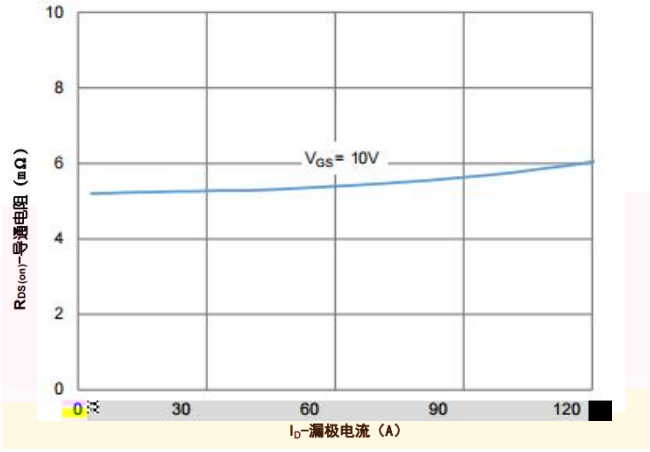
1


120
90
V_{DS} = 3.0V
T_J = 175°C
T_J = 25°C
0
2
4
6
8
10

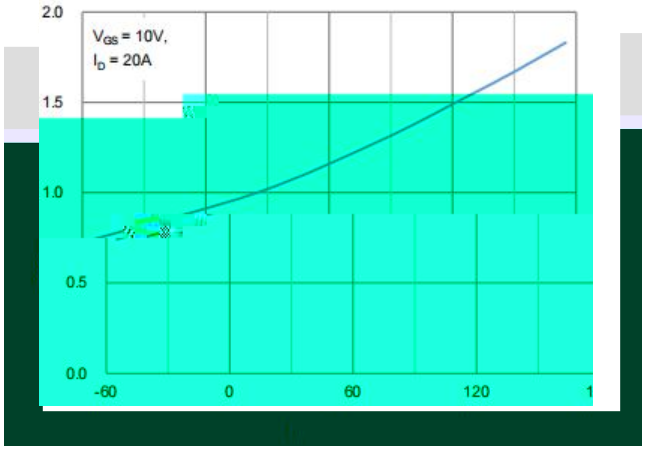
2


25
20
15
10
5
0
I_D = 20A
T_J = 175°C
T_J = 25°C
5
10
15
20
V_{GS}–栅–源电压（V）

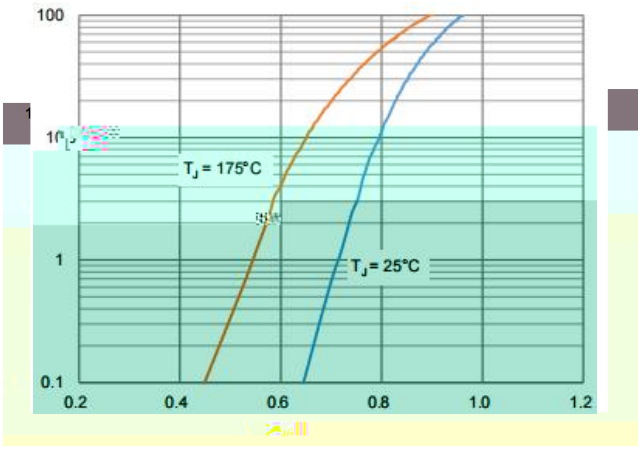
3


10
8
6
4
2
0
V_{GS}= 10V
30
60
90
120
I_D–漏极电流（A）

4

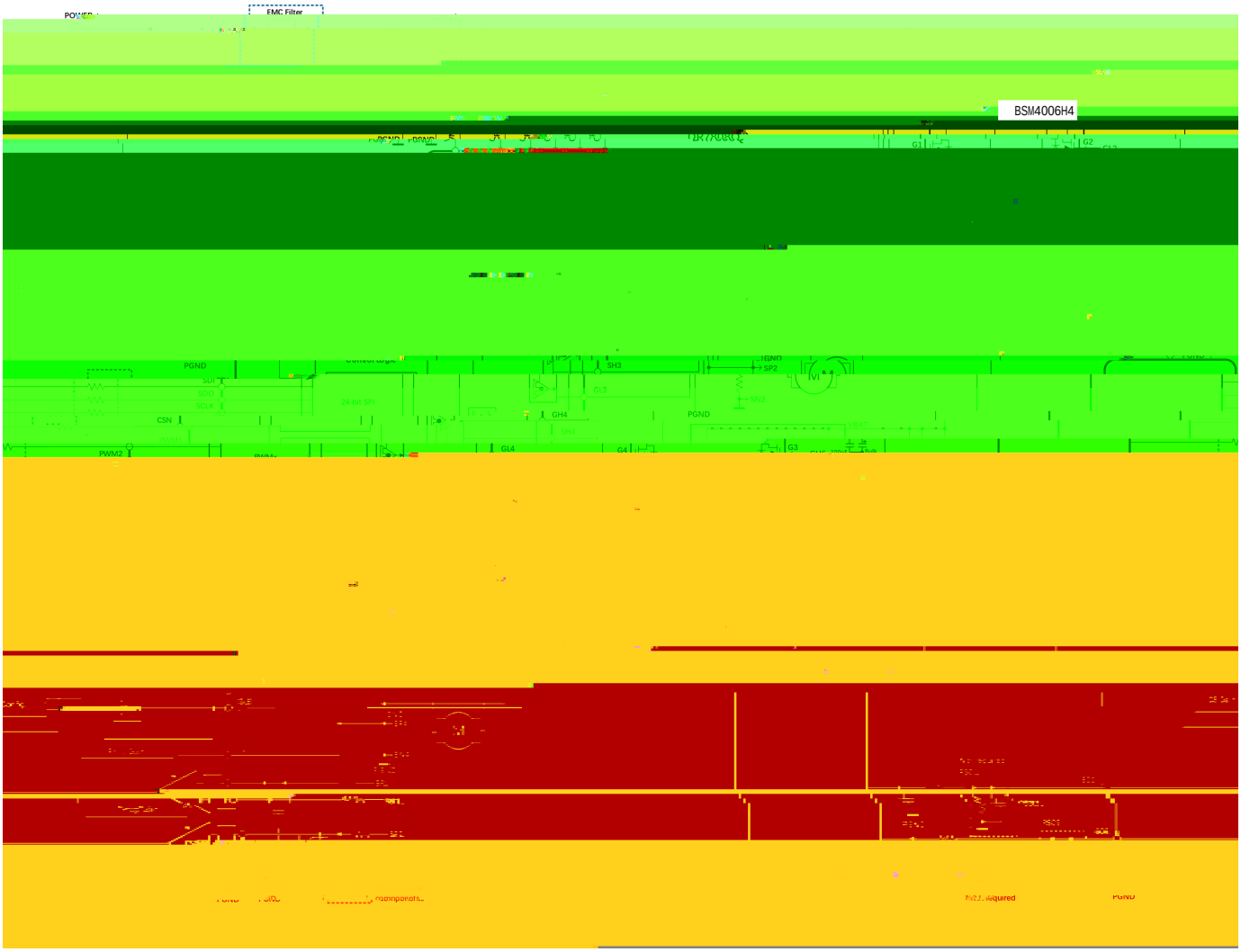

2.0
1.5
1.0
0.5
0.0
V_{GS} = 10V,
I_D = 20A
-60
0
60
120

5


100
1
0.1
T_J = 175°C
T_J = 25°C
0.2
0.4
0.6
0.8
1.0
1.2

6

BSM400



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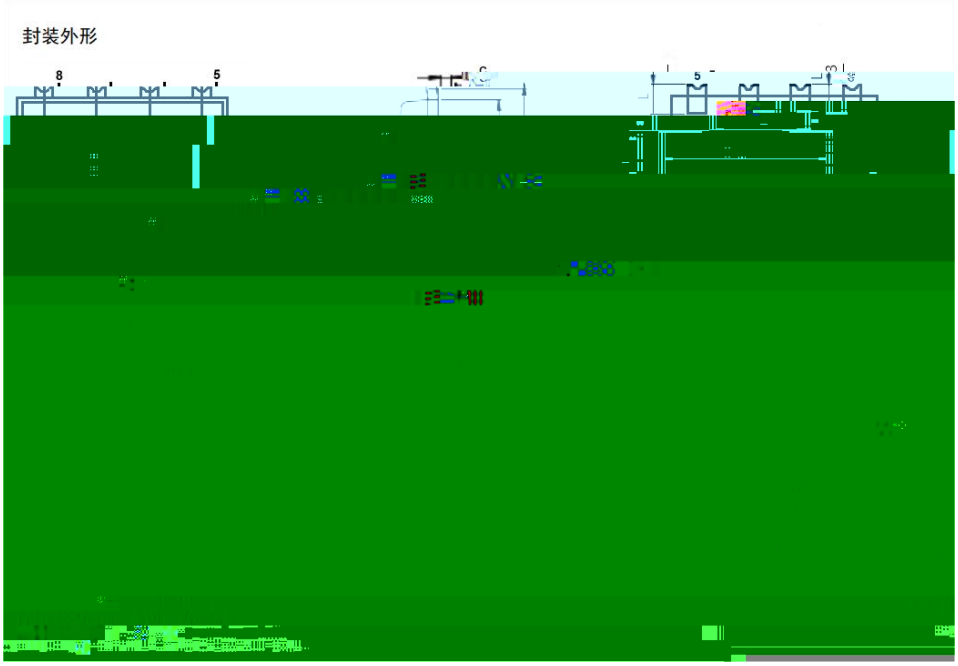
Note

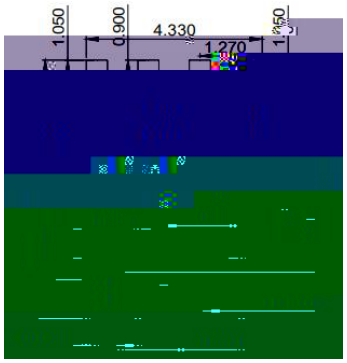
PGND

GND BSM4006H4 GND

SP3 SN3 SP4 SN3

封装外形





DIM.	MILLIMETER		
	MIN.	NOM.	MAX
			0.34
D	5.05	5.20	5.40
D1	4.95	5.05	5.15
D2	4.00	4.10	4.20
D3	1.73	1.83	1.93
D4	2.24	2.34	2.44
E	6.30	6.40	6.50
E1	5.75	5.85	5.95
E2	1.28	1.38	1.48
E3	1.78	1.8890	1.98
e		1.27BSC	
L	0.65	0.75	0.85
L1	0.85	0.95	1.05
L2	0.14	0.24	0.34
L3	0.60	0.70	0.80
θ	0°	--	12°
K1		0.45REF	
K2		0.45REF	

15