1

1.1

S2XM1900N600L N 600V VDMOS

LED

1.2

- 600V,2A N Channel
- 100%

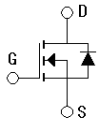
2

	( )		1.9mm×1.9mm
			74.8mil×74.8mil
			Φ150
	/		4354
	μm		260±20
	μm		60
			PI
	(μm^2)		150×150
			1260×1140
		(μm)	4 ± 0.4
	|		
			Φ42μm×1 Φ42μm×2

3 ( )

3.1

T_{amb}= 25

	V_{DS}	600	V	TO-252 2N60 
	V_{GS}	±30	V	
注1	I_D	2	A	
	I_{DM}	5	A	
注2	E_{AS}	45	mJ	
	T_j	-55 150		
	T_{stg}	-55 150		

	P_D	25	W	

1

2 L=10mH,V_{DD}=100V,R_g , T_j=25

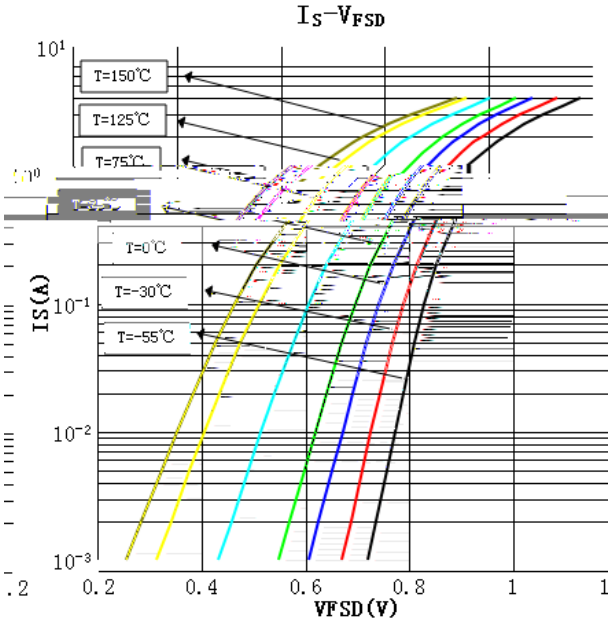
3.2

T_{amb}= 25

	BV_{DSS}	V_{GS}=0V I_D	600	635	-	V
	V_{TH}	V_{GS}=V_{DS} I_D	2	3.3	4	V
	I_{DSS}	V_{DS}=600V V_{GS}=0V	-	-	1	
	$R_{DS(on)}$	V_{GS}=10V I_D=1.0A	-	3.1	3.7	
	I_{GSS}	V_{GS}=±30V V_{DS}=0V	-	-	±100	nA
	V_{FSD}	I_S=2A V_{GS}=0V	-	-	1.4	V
	g_{fs}	V_{DS}=15V,I_D=1A,dI_D=0.1A	0.5	-	-	S
	R_g	V_{DS}=0V,V_{GS}=0V,f=1.0MHz	-	3.1	-	
	C_{iss}	V_{DS}=25V,V_{GS}=0V,f=1.0MHz	-	304.6	-	pF
	C_{oss}		-	29.5	-	
	C_{rss}		-	2.0	-	
	Q_g	V_{DS}=480V,V_{GS}=10V,I_D=2A	-	7.7	-	nC
-	Q_{gs}		-	1.4	-	
-	Q_{gd}		-	3.6	-	

3.3

T_{amb}= 25



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  A 15 30 15% 60%
  B 15 30 15% 30%
-
-
-
- ESD CO_2, ESD