	XS-M-021
S2XM1900N600L	22-A2-08
VDMOS	1/4

1

1.1

S2XM1900N600L

N

600V

VDMOS

LED

1.2

600V, 2A N Channel 100%

2

	(1.9mm× 1.9mm
			74.8mil×74.8mil
			150
	/		4354
	μm		260± 20
	μm		60
			PI
源极 S	(µm³)		150× 150
<i>03</i> , 02, 0	(µm)		1260× 1140
		(µm)	4 ± 0.4
栅极G			
mirks.			
			42μm× 1 42μm× 2
			42µmx 2

3

3. 1

(

 $T_{\text{amb}} = 25$

 V_{DS} 600 ٧ T0-252 ± 30 V_{GS} ٧ 2N60 Α I_D 2 5 $I_{DM} \\$ Α E_{AS} 45 mJ T_{j} -55 150 T_{stg} -55 150

)

78

http://www.xs-elec.com 0510 86851532

0510 86851182

	XS-M-021
S2XM1900N600L	22-A2-08
VDMOS	2/4

	P _D	25	W	
1				

3.2

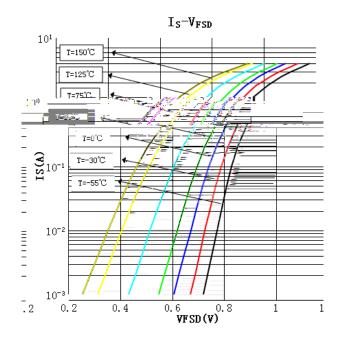
 $T_{amb}=25$

Tamb— ZJ						
	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}	$V_{GS}=\pm30V$ $V_{DS}=0V$	-	-	±100	nA
	V_{FSD}	I _S =2A V _{GS} =0V	-	1	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}		-	304.6	1	
	Coss	$V_{DS}=25V, V_{GS}=0V, f=1.0MHz$	-	29.5	-	pF
	C_{rss}		1	2.0	1	
	Q_{g}		-	7.7	1	
-	Q_{gs}	V_{DS} =480V, V_{GS} =10V, I_{D} =2A	-	1.4	1	nC
-	Q_{gd}		-	3.6	-	

3.3 T_{amb}= 25

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VDMOS	3/4

	XS-M-021
S2XM1900N600L	22-A2-08
VDMOS	4/4



A 15 30 15% 60% B 15 30 15% 30%

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- •

• ESD CO₂, ESD