			XS-M-008
	S2XM3377N600L		21-A4-05
	VDMOS		1/4

1


1.1

S2XM3377N600L N 600V VDMOS LED

1.2

600V, 7A N Channel
100%

2

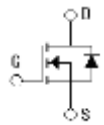
	()		2.855mm× 3.995mm	
			112.4mi l × 157.3mi l	
			150	
	/		1348	
	μm		260± 20	
	μm		60	
	(μm ²)		430× 300	
			2300× 1200	
			(μm)	4 ± 0.4
				100μm× 1 250μm× 2


3

()

3.1

T_{amb}= 25

	V _{DS}	600	V	T0-220 7N60 
	V _{GS}	± 30	V	
注1	I _D	7	A	
	I _{DM}	28	A	
注2	E _{AS}	500	mJ	
	T _J	-55 150		

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	T_{stg}	-55 150		
	P_{tot}	2	W	

1
2 $L=64\text{mH}$, $V_{DD}=100\text{V}$, R_g , $T_j=25$

3.2

$T_{amb} = 25$

	BV_{DSS}	$V_{GS}=0\text{V}$ I_D	600	640	-	V
	V_{TH}	$V_{GS}=V_{DS}$ I_D	2	3	4	V



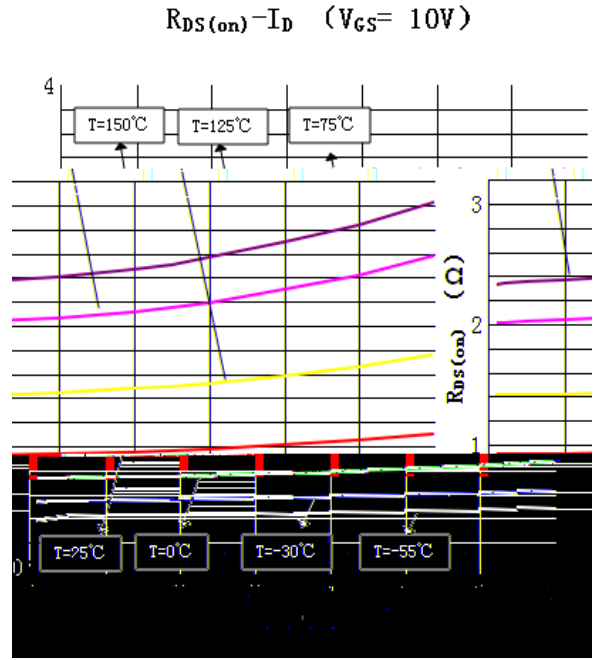
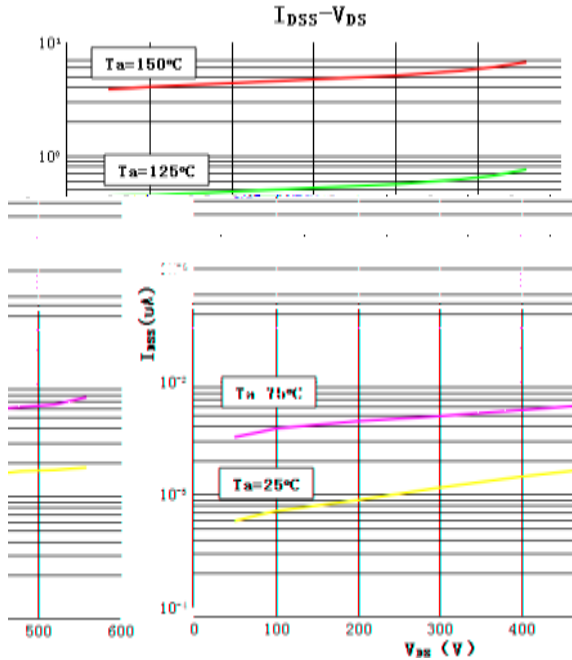
S2XM3377N600L

VDMOS

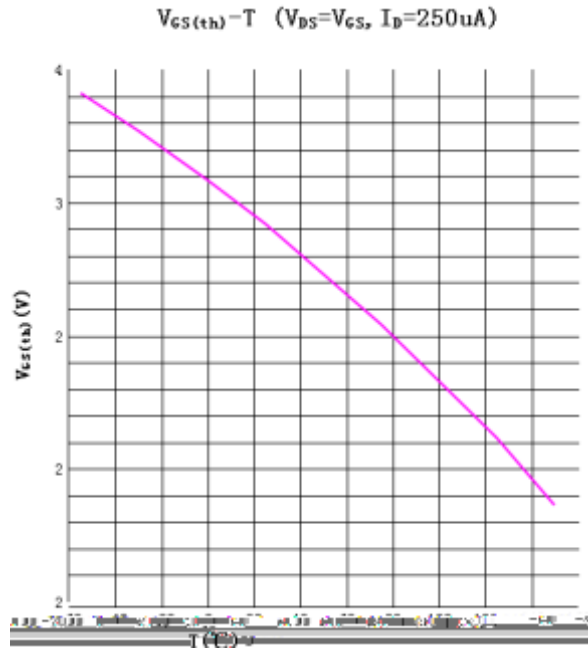
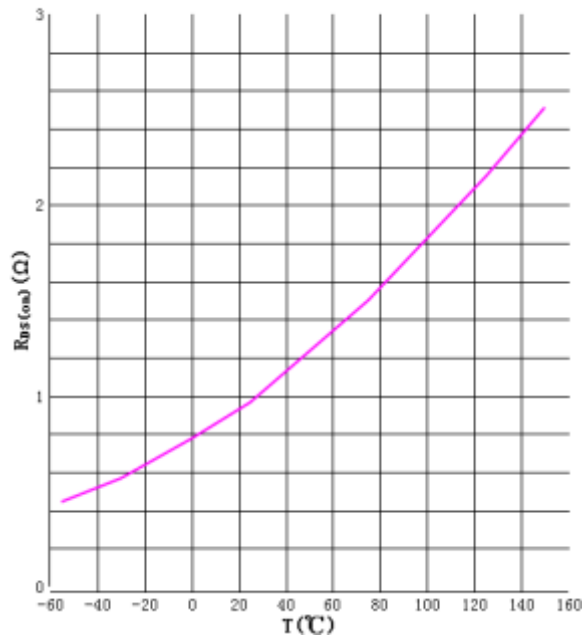
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$R_{DS(on)} - T$ ($V_{GS} = 10V$, $I_D = 3.5A$)





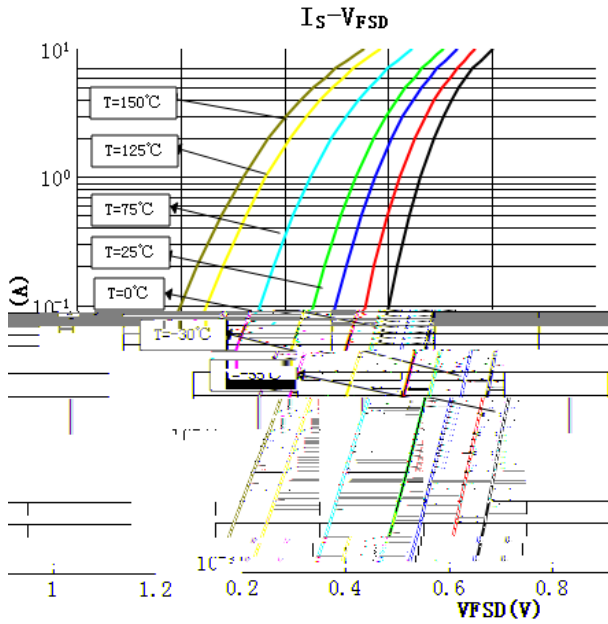
S2XM3377N600L

VDMOS

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-
-
-
-
-

25± 5

45%

ESD

CO₂,

ESD