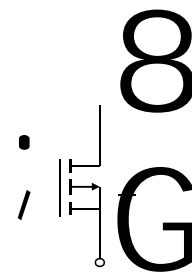




Product Summary

- Low On-Resistance
- Excellent Gate Charge x $R_{DS(ON)}$ Product (FOM)
- Pb-Free Lead Plating
- RoHS and Halogen-Free Compliant
- 100% UIS Tested, 100% R_g Tested

	Value	Unit
	-100	V
	-2.0	V
	-30	A
	37	m
$R_{DS(ON)_Typ}$	50	m



Ordering Information

Device	Package	# of Pins	Marking	M	M	o ²	M
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Drain-to-Source - \hat{e} M 1

(1)	T_c 1 25°C	I_b	-30				A
	T_c 1 100°C		-19				

Avalanche Current⁽³⁾

-27

Avalanche Energy⁽³⁾

109

Power Dissipation⁽⁴⁾ T_c 1 25°C

96

T_c 1 100°C

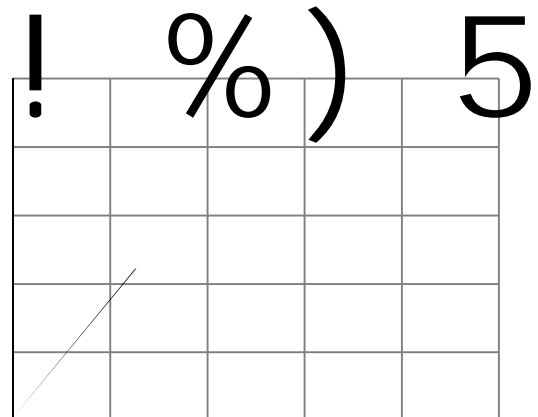
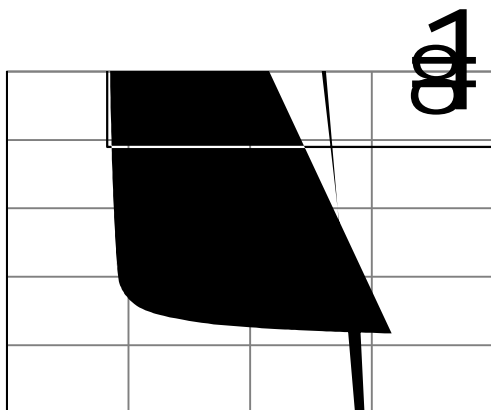
P_D

38

W

Junction & Storage Temperature Range

-55 to 150



JMPL1050AK

Typ.	Max.	Unit
		V
	-1.0	A
	-5.0	nA
	±100	V
-2.0	-3.0	m
37	50	m
50	66	S
30		V
-0.7	-1.0	A
	-96	

1412		pF
222		pF
2.6		pF
10.2		

20		nC
12.6		nC
6.4		nC
3.3		nC
10.7		ns
56		ns
45		ns
81		ns
51		ns
130		nC

Max.	Unit
56	°C/W
1.3	°C/W

mal & electro-mechanical

Typical Electrical & Thermal Characteristics

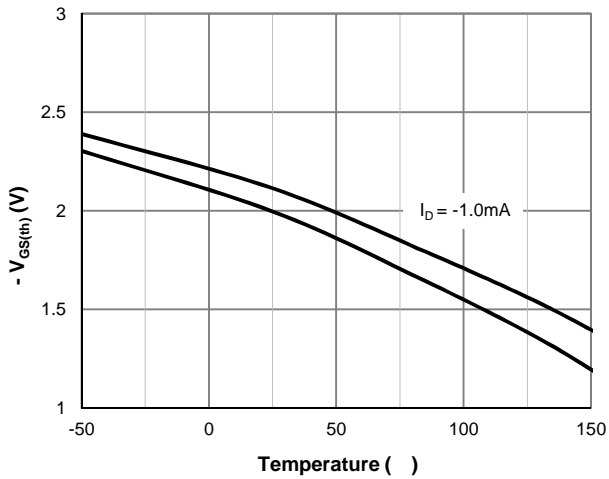
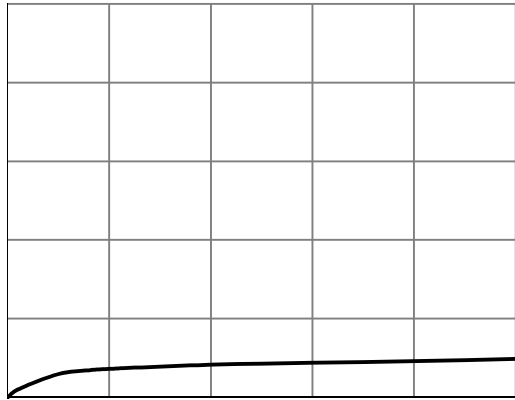


Figure 5: $V_{GS(th)}$ vs. Junction Temperature



TO-252-3L Package Information

