



N-Channel Enhancement Mo

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Absolute Maximum Ratings (T

Parameter	Limit	Unit
Drain-source Voltage	40	V
Gate-source Voltage	±20	V
Drain Current	28	A
	20	
	155	
	109	
Pulsed Drain Current ^A	465	A
Avalanche energy ^B	676	mJ
Total Power Dissipation	5	W



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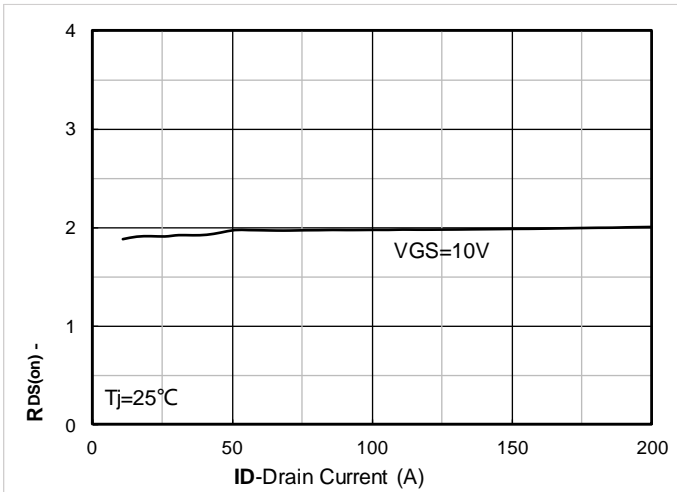


Figure7. RDS(on) VS Drain Current

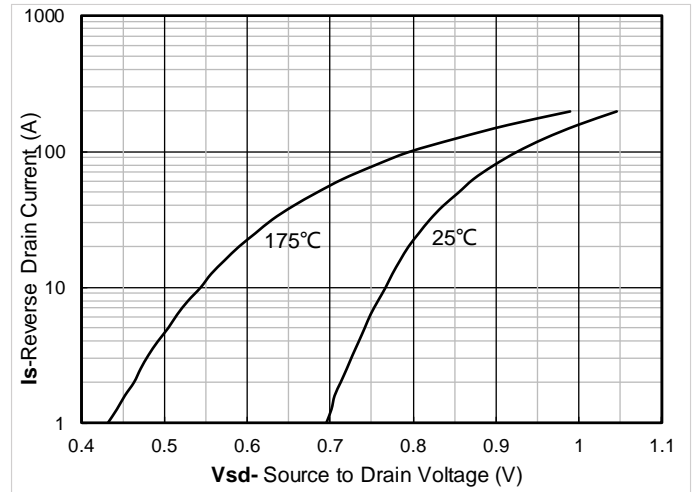


Figure8. Forward characteristics of reverse diode

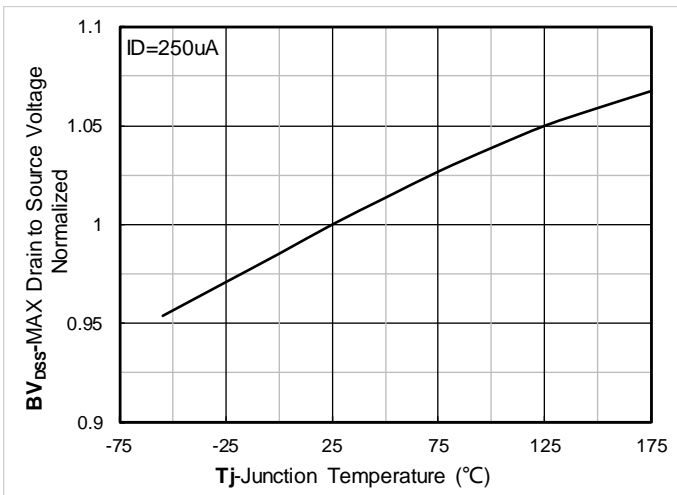


Figure9. Normalized breakdown voltage

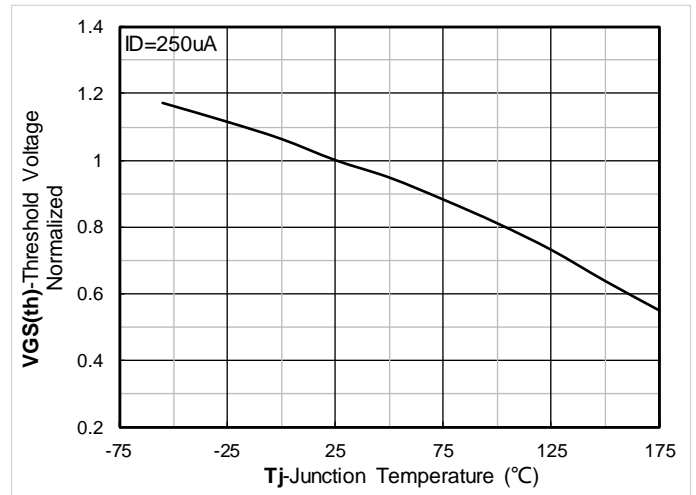


Figure10. Normalized Threshold voltage

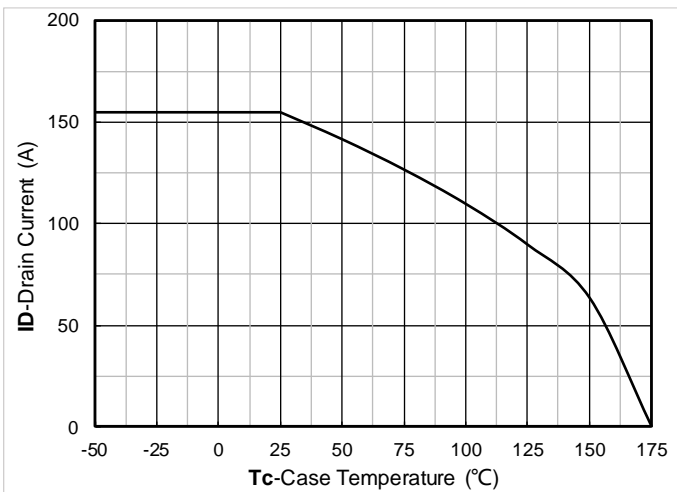


Figure11. Current dissipation

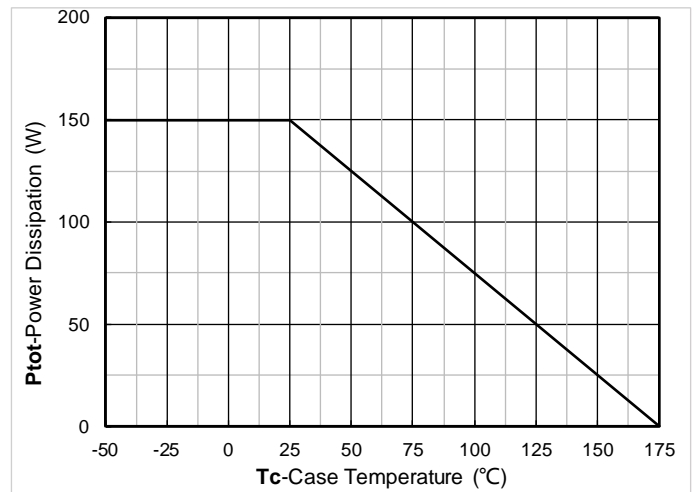


Figure12. Power dissipation



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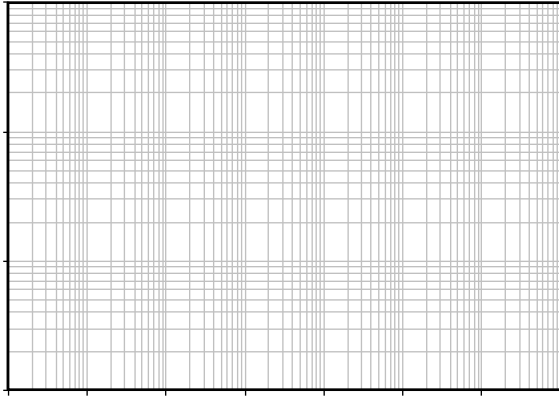


Figure13. Maximum Transient Thermal Impedance

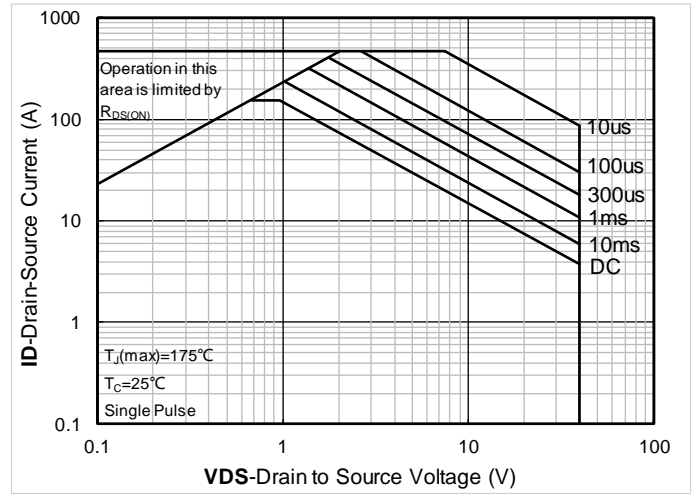


Figure14. Safe Operation Area



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TO-263-HY Package information

TOP VIEW

SIDE VIEW

BOTTOM VIEW

SYMBOL	DIMENSIONS					
	INCHES			Millimeter		
	MIN.	NOM.	MAX.	MIN.	NOM.	MAX.
A1	0.000	---	0.010	0.000	---	0.250
A2	0.174	0.180	0.186	4.430	4.580	4.730
b	0.028	0.032	0.036	0.720	0.820	0.920
b2	0.046	0.050	0.054	1.180	1.280	1.380
c	0.013	0.015	0.018	0.330	0.390	0.450
c2	0.048	0.050	0.053	1.220	1	1.340
D1						
D2	0.303	0.315	0.327	7.700		8.300
E	0.571	0.591	0.610	14.500		15.500
E1	0.337	0.341	0.348	8.550		8.850
E2						
e	0.200BSC			5.080BSC		
L	0.070		0.110	1.790		2.790
L1						
L2	0.030		0.070	0.770		1.770
L3		0.197REF				
	0°		8°	0°		8°

NOTE:
 1.PACKAGE BODY SIZES EXCLUDE MOLD FLASH AND GATE BURRS.
 2.TOLERANCE 0.1mm UNLESS OTHERWISE SPECIFIED.
 3.THE PAD LAYOUT IS FOR REFERENCE PURPOSES ONLY.



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