

Typical Electrical & Thermal Characteristics

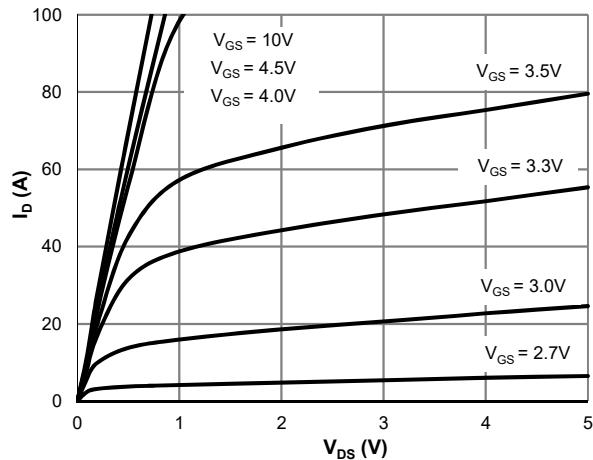


Figure 1: Saturation Characteristics

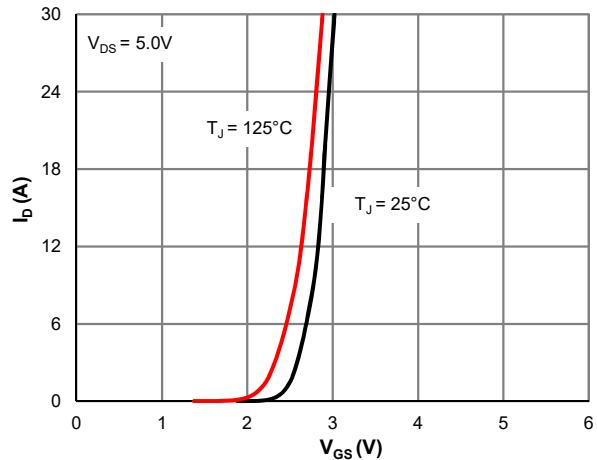


Figure 2: Transfer Characteristics

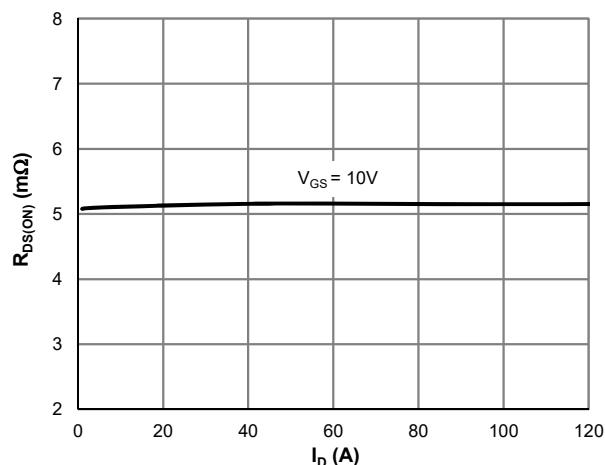


Figure 3: $R_{DS(ON)}$ vs. Drain Current

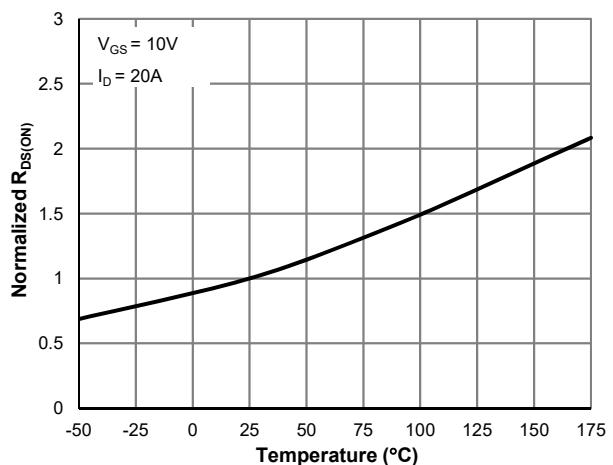


Figure 4: $R_{DS(ON)}$ vs. Junction Temperature

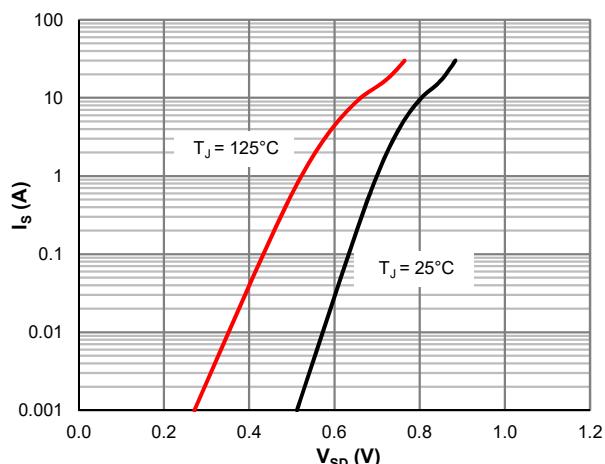


Figure 5: Body-Diode Characteristics

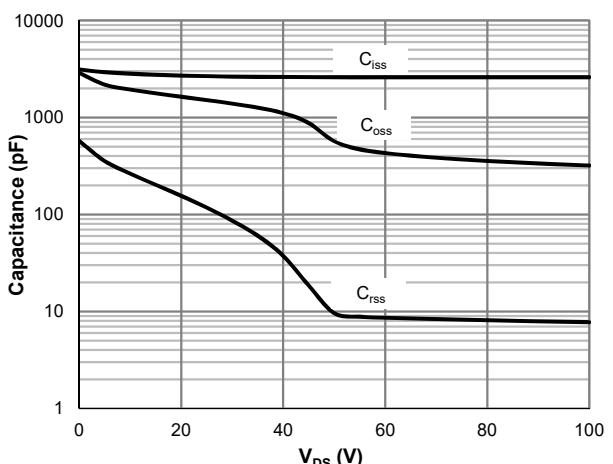


Figure 6: Capacitance Characteristics

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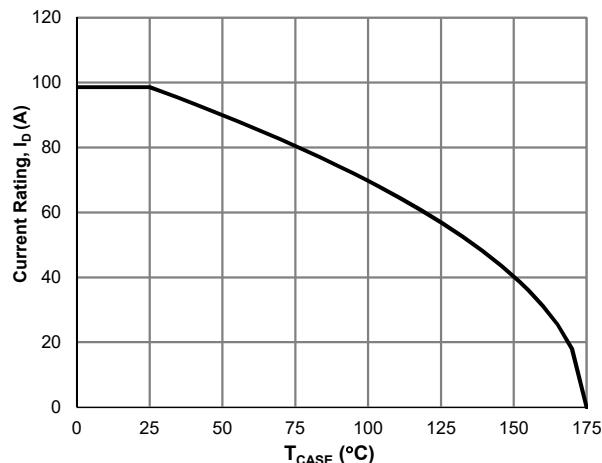


Figure 7: Current De-rating

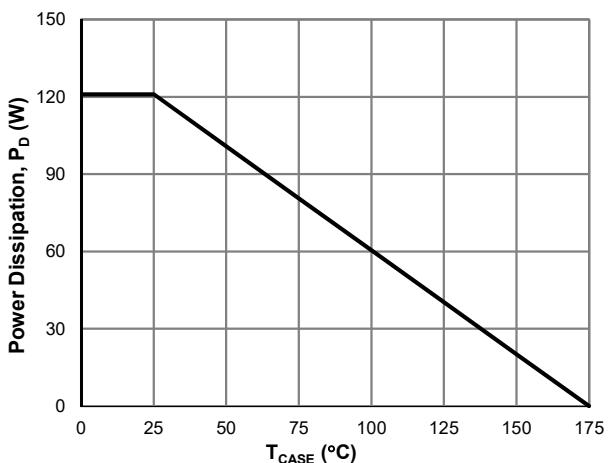


Figure 8: Power De-rating

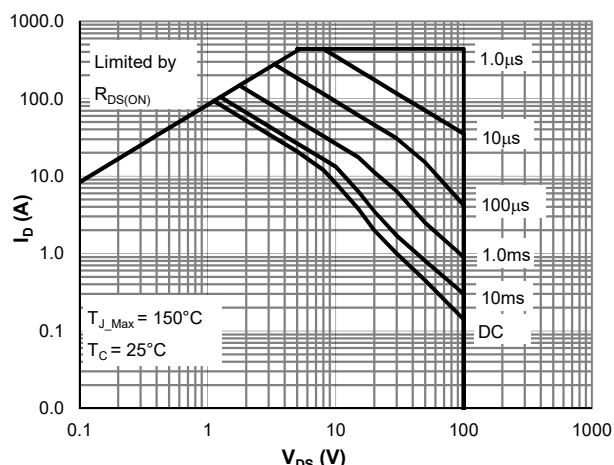


Figure 9: Maximum Safe Operating

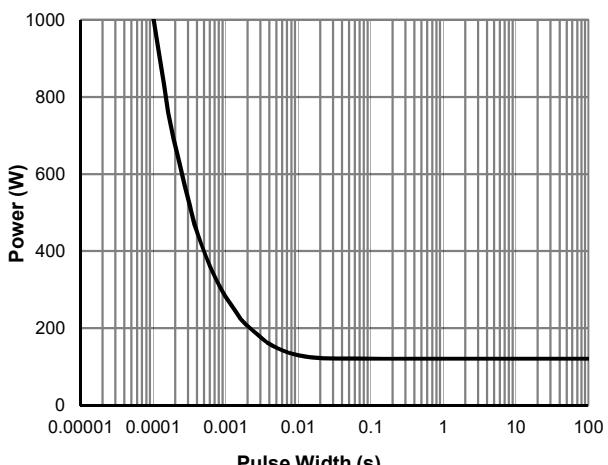


Figure 10: Single Pulse Power Rating, Junction-to-Case

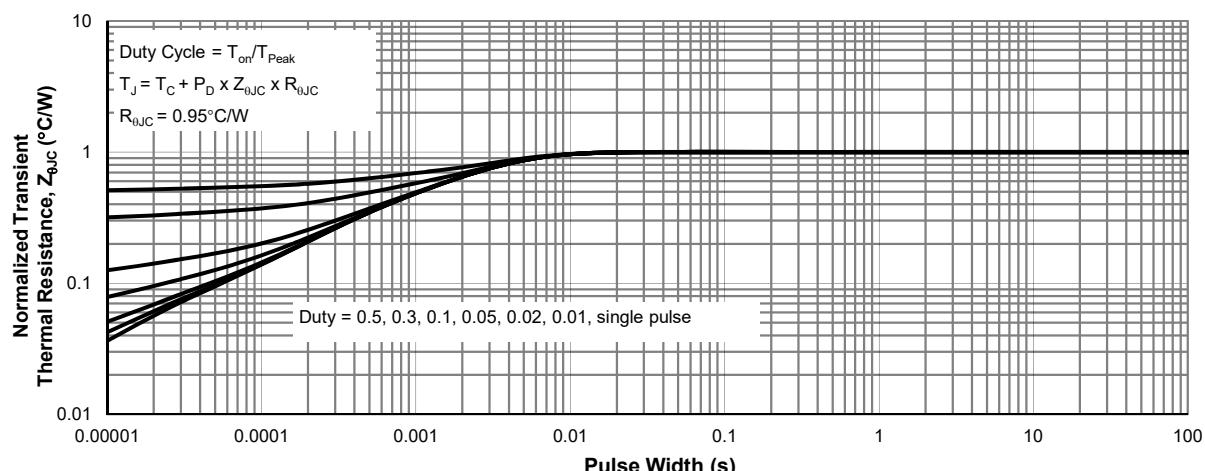
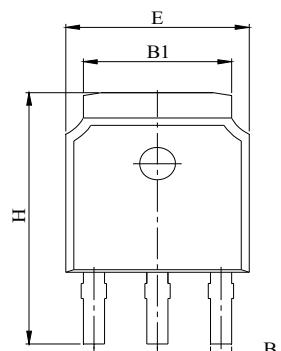
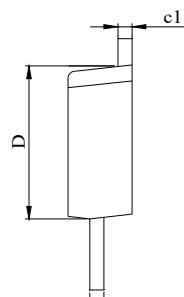


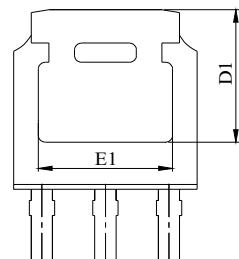
Figure 11: Normalized Maximum Transient Thermal Impedance

TO251-3L Package Information**Package Outline**

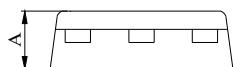
Top View



Side View

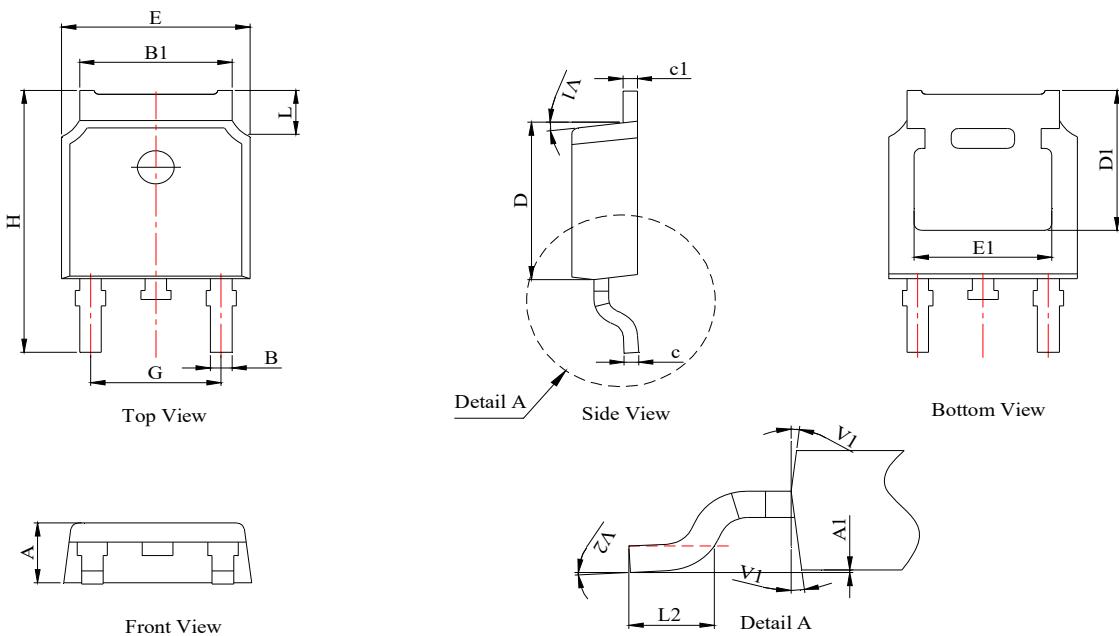


Bottom View



Front View

DIM.	MILLIMETER		
	MIN.	NOM.	MAX.
A	2.10		2.50
B	0.66		0.86
B1	5.15		5.48
c	0.44		0.58
c1	0.44		0.58
D	5.90		6.30
D1	5.30 REF		
E	6.40		6.80
E1	4.83 REF		
G	2.19	2.29	2.39
H	10.60		11.80

TO252-3L Package Information
Package Outline


DIM.	MILLIMETER		
	MIN.	NOM.	MAX.
A	2.10		2.50
A1	0	-	0.10
B	0.66		0.86
B1	5.18		5.48
c	0.40		0.60
c1	0.44		0.58
D	5.90		6.30
D1	5.30REF		
E	6.40		6.80
E1	4.63		
G	4.47		4.67
H	9.50		10.70
L	1.09		1.21
L2	1.35		1.65
V1		7°	
V2	0°	-	6°

Recommended Footprint
