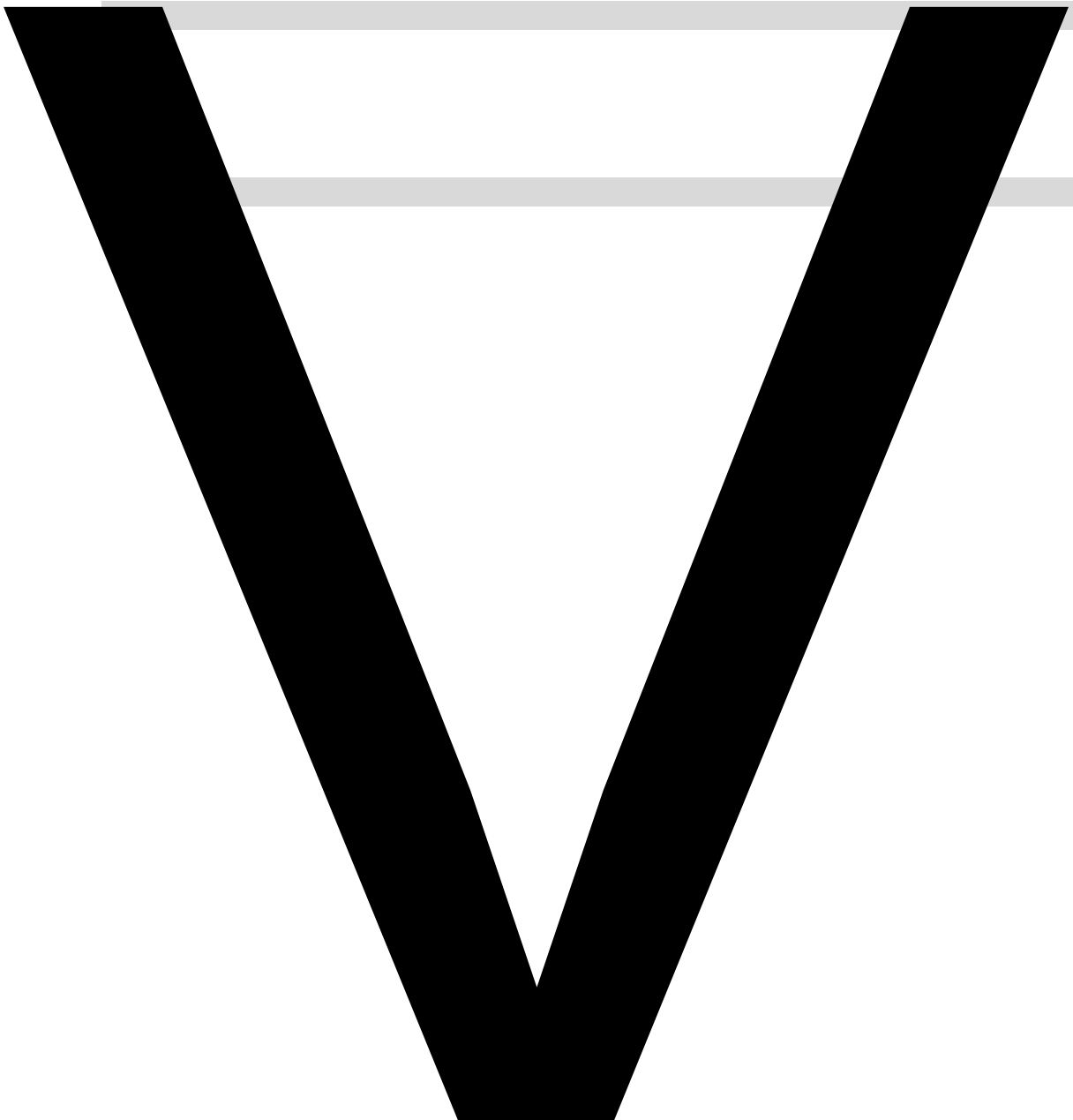
Electrical Characteristics (T_J = 25°C unless otherwise specified)

Symbol	Parameter	Conditions	Min.	Typ.	Max.	Unit
$V_{(Min.$						



Typical Performance Characteristics

Figure 1: Power De -rating

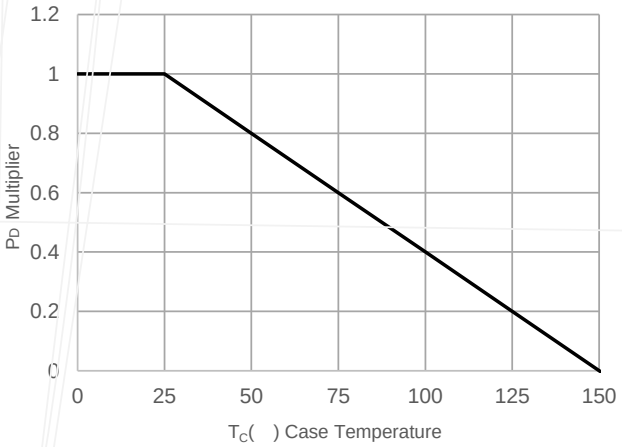
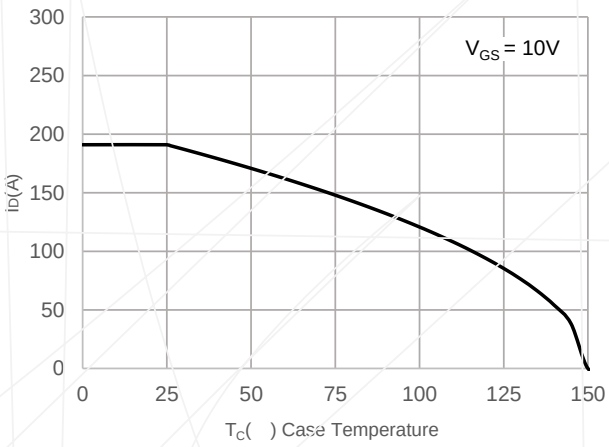
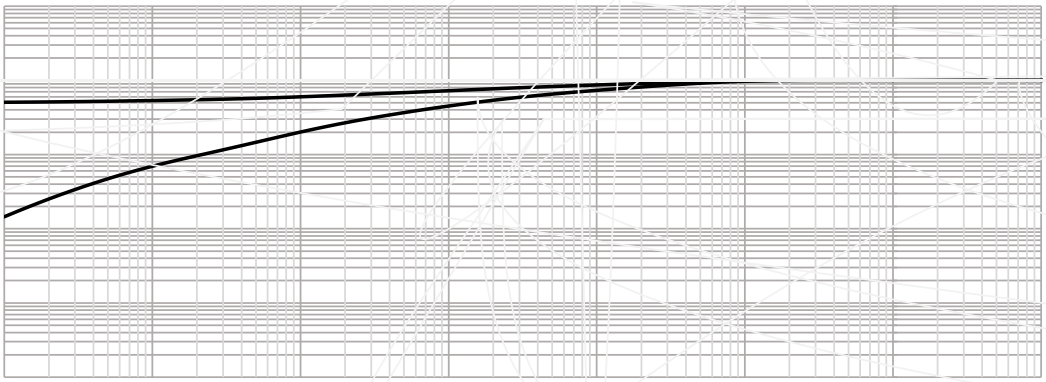
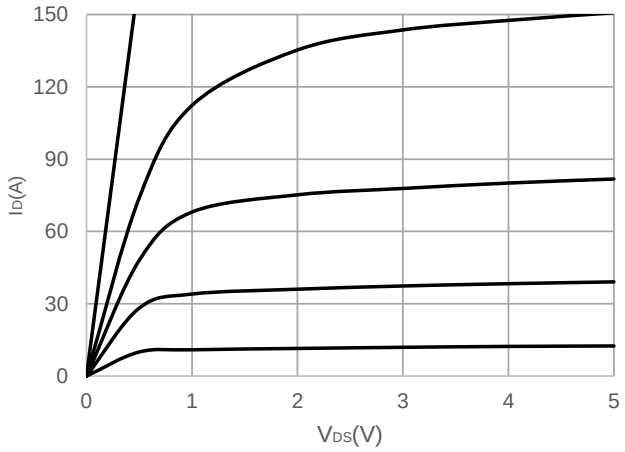


Figure 2: Current De -rating





Typical Performance Characteristics



Typical Performance Characteristics

Figure 11: Normalized Breakdown voltage vs. Junction Temperature

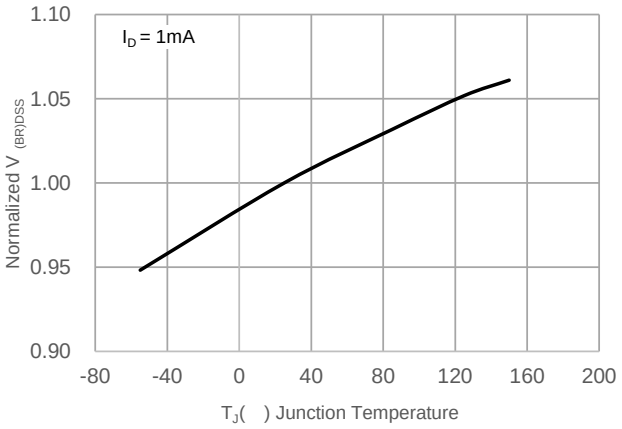
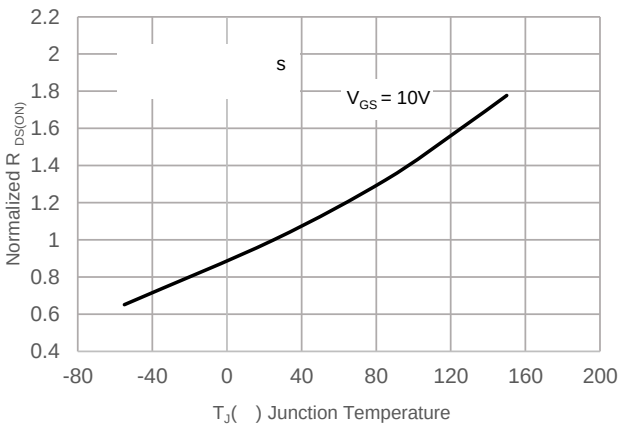
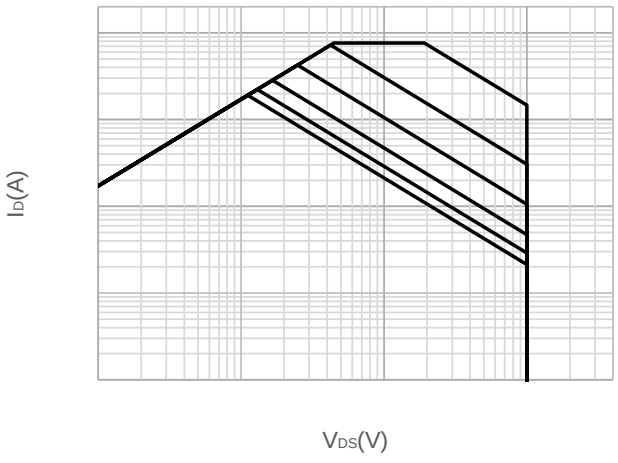


Figure 12: Normalized on Resistance vs. Junction Temperature





Test Circuit



Figure 1: Gate Charge Test Circuit & Waveform

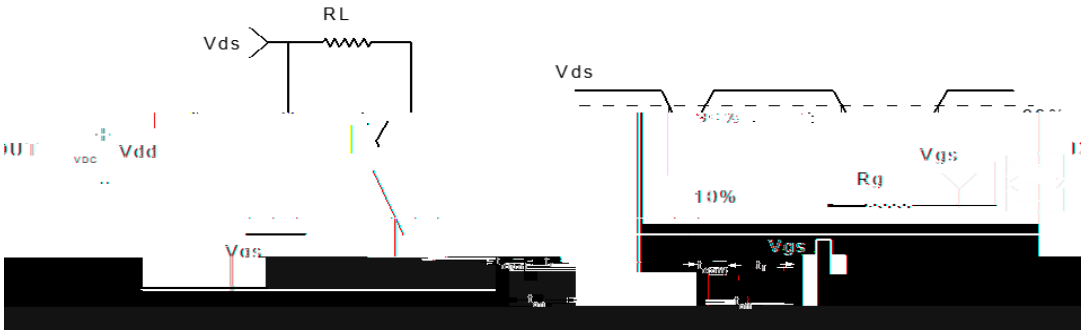


Figure 2: Resistive Switching Test Circuit & Waveform

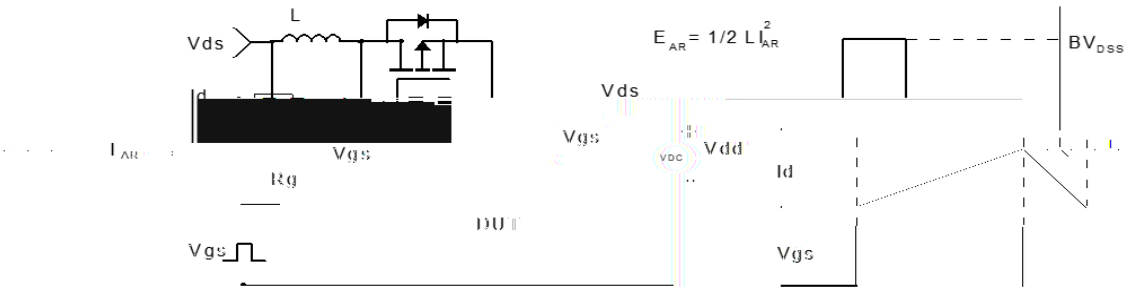


Figure 3: Unclamped Inductive Switching Test Circuit& Waveform

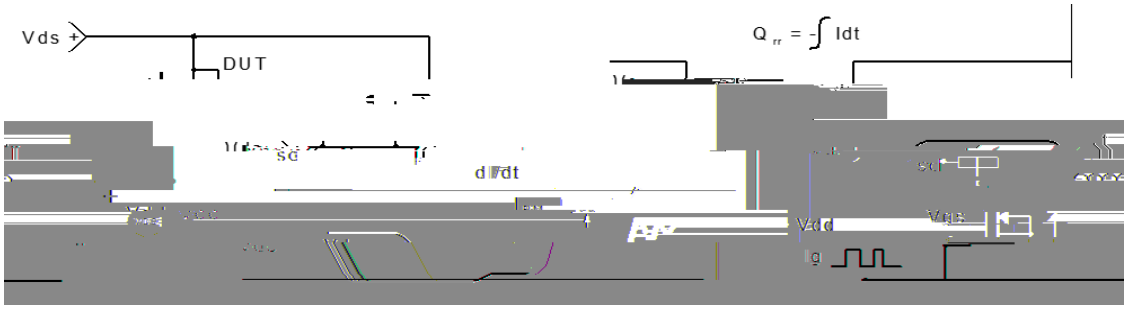
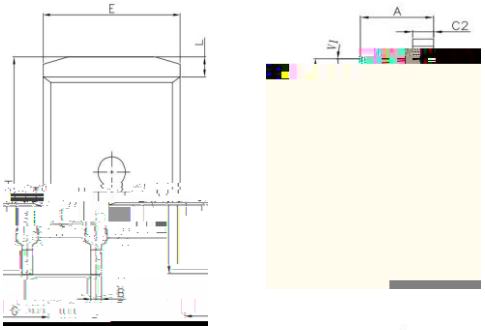


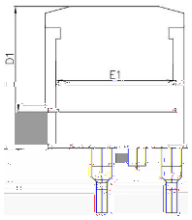
Figure 4: Diode Recovery Test Circuit & Waveform

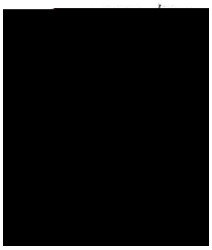
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Package Mechanical Data(TO-263 -3L)

Package Outline

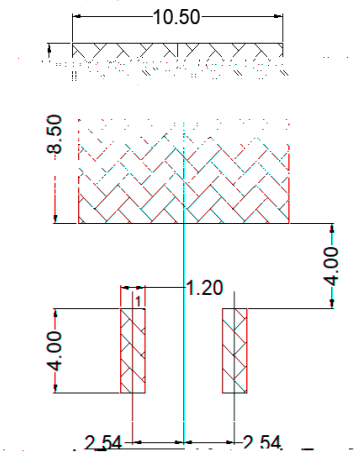






SYMBOL	DIMENSIONS		
	MIN	NOM	MAX
A	4.3	4.55	4.7
B	7.1	8	8.1
C	3.8	4.6	4.8
C2	1.2	1.3	1.31
D	8.9	9	9.3
D1	7.4	7.5	7.6
E	9.9	10	10.2
E1	8.3	8.6	8.8
L	5.03	5.08	5.2
L1	1.4	1.5	1.68
L2	1.7	1.78	1.9
e	2.54 BSC		

Land Pattern
(Only for Reference)



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