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

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

Typical Performance Characteristics

Figure 1: Power De-rating

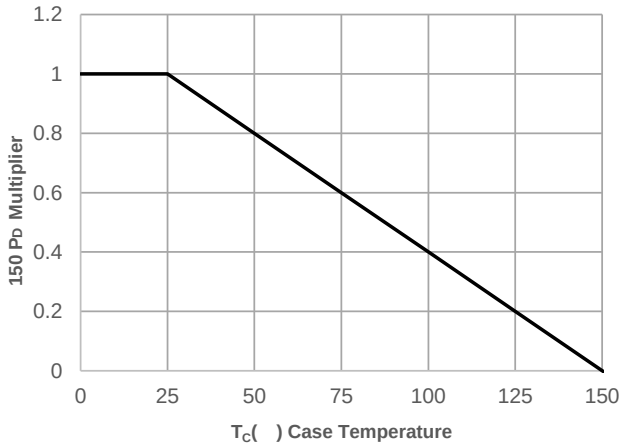
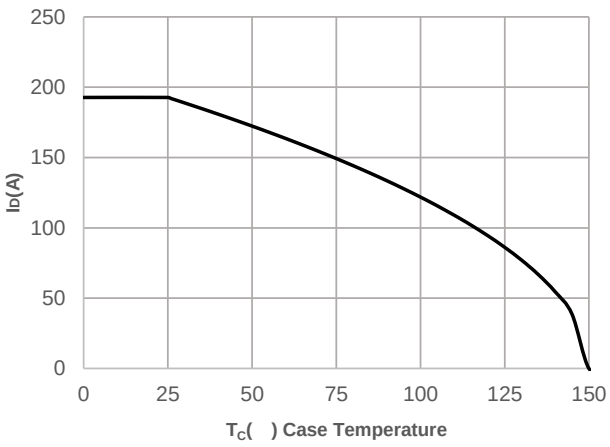


Figure 2: Current De-



Test Circuit



Figure 1: Gate Charge Test Circuit & Waveform

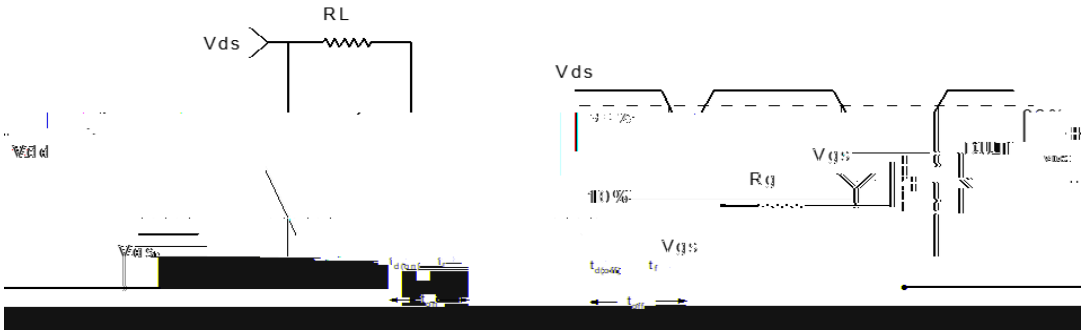


Figure 2: Resistive Switching Test Circuit & Waveform

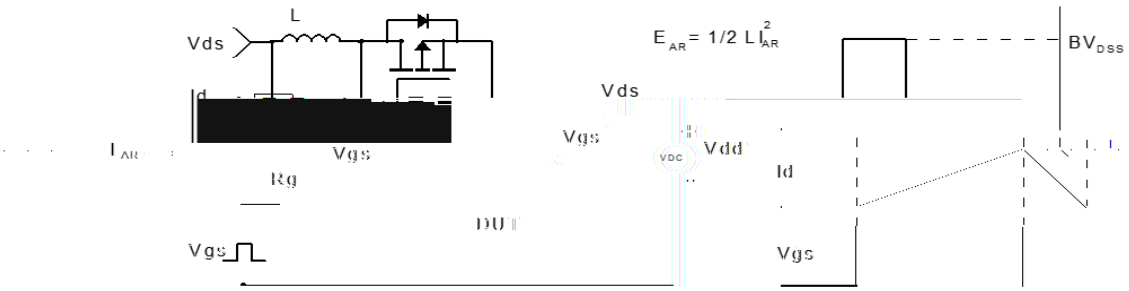


Figure 3: Unclamped Inductive Switching Test Circuit& Waveform

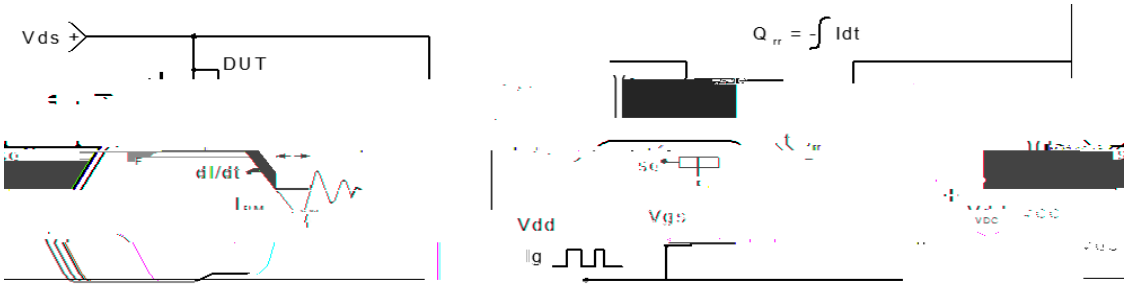
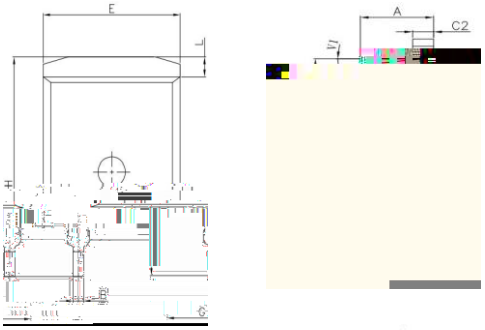


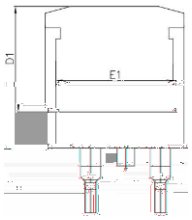
Figure 4: Diode Recovery Test Circuit & Waveform

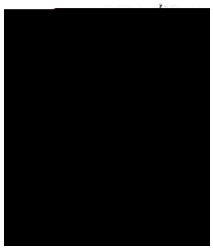
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Package Mechanical Data(TO-263 -3L)

Package Outline

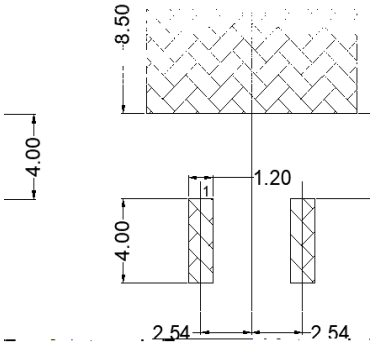






SYMBOL	DIMENSIONS		
	MIN	NOM	MAX
A	4.2	4.45	4.7
b	0.7		0.9
b1	7.4	8	8.4
c	0.38	0.46	0.53
c2	1.24	1.3	1.36
D	8.9	9.2	9.5
D1	7.4	7.65	7.9
E	9.8	10	10.2
E1	6.8	8.6	8.8
e	5.08	5.08	5.28
H	14.7	15	15.3
L	2.17	2.37	2.57
L1	1.4	1.6	1.8
L2	1.27	1.4	1.65
θ	0°		8°

Land Pattern
(Only for Reference)



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