

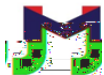


	Value	Unit
	60	V
	1.5	V
	91	A
	2.6	mΩ
	3.2	m



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

Symbol	Conditions	Min.	Typ.	Max.	Unit
Off Characteristics					
V _{(BR)DSS}		60	-	-	V
I _{DSS}		-	-	1.0	μ
I _{GSS}		-	-	±100	
V _{GS(th)}		1.1	1.5	2.5	V
Dynamic Characteristics					
f _{sw}	100 kHz	20	25	30	kHz
r _{DS(on)}	V _{GS} = 4.5 V, I _D = 100 mA	15	20	25	mΩ
R _g		-	2.1	-	Ω
C _{iss}		2140	3566	5349	pF



Typical Performance Characteristics

Figure 1: Power De-rating

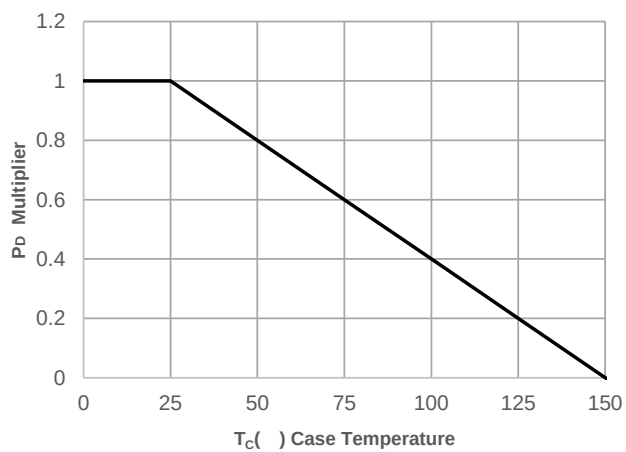
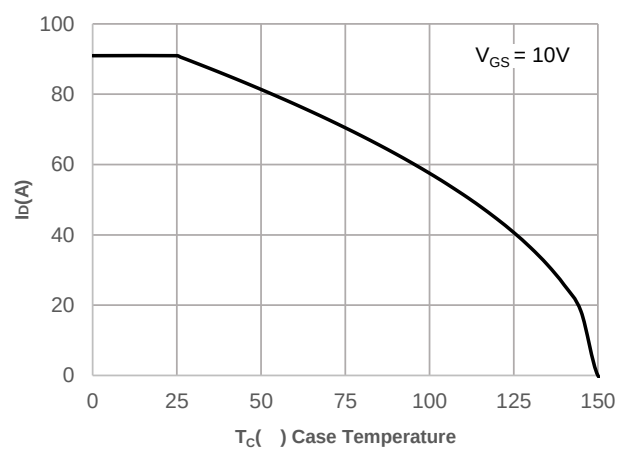
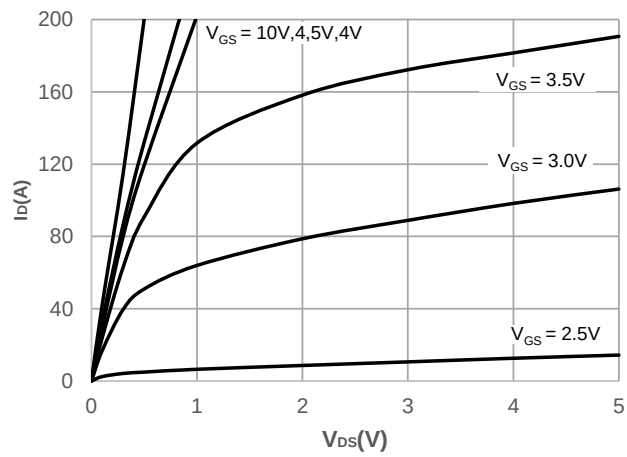


Figure 2: Current De-rating



Typical Performance Characteristics

Figure 5: Output Characteristics



Typical Performance Characteristics



Test Circuit



Figure 1: Gate Charge Test Circuit & Waveform

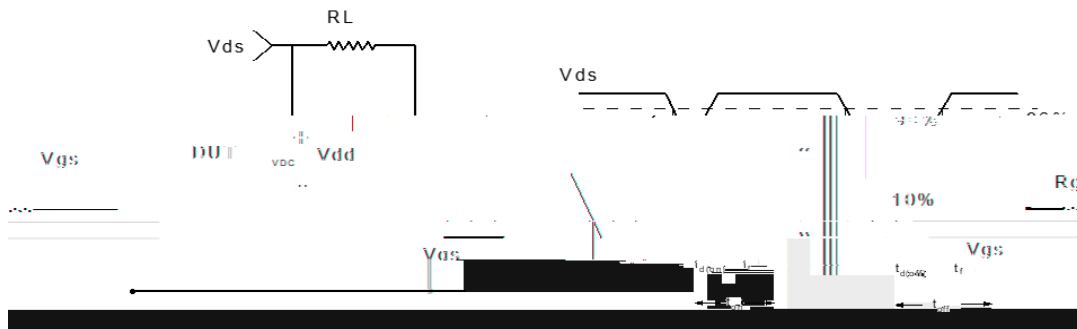


Figure 2: Resistive Switching Test Circuit & Waveform

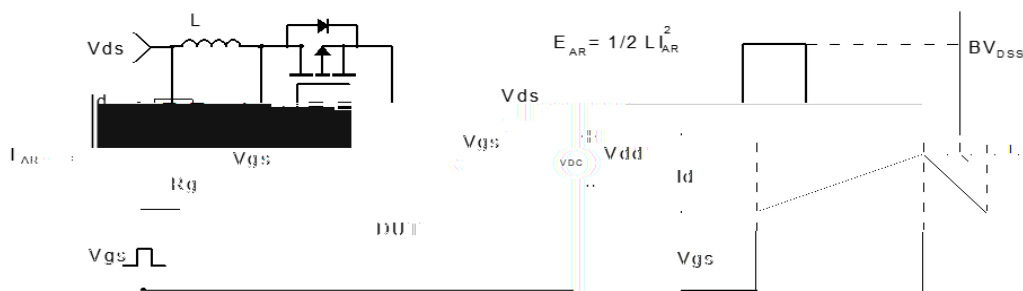


Figure 3: Unclamped Inductive Switching Test Circuit & Waveform

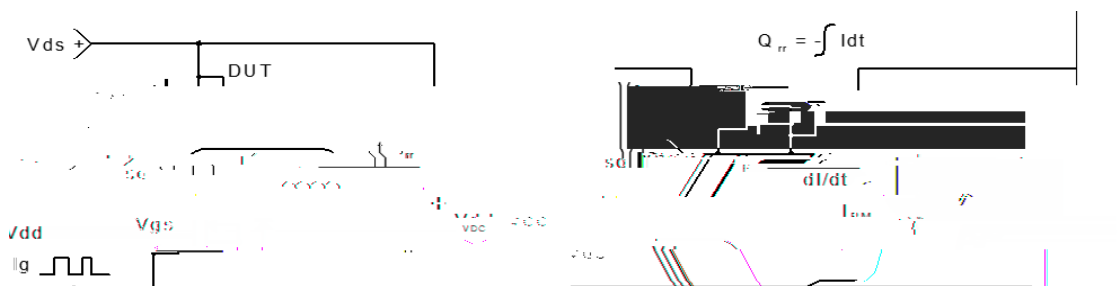
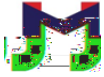
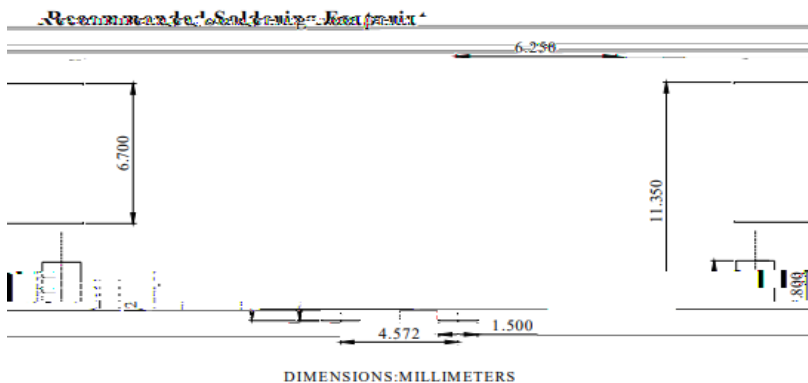
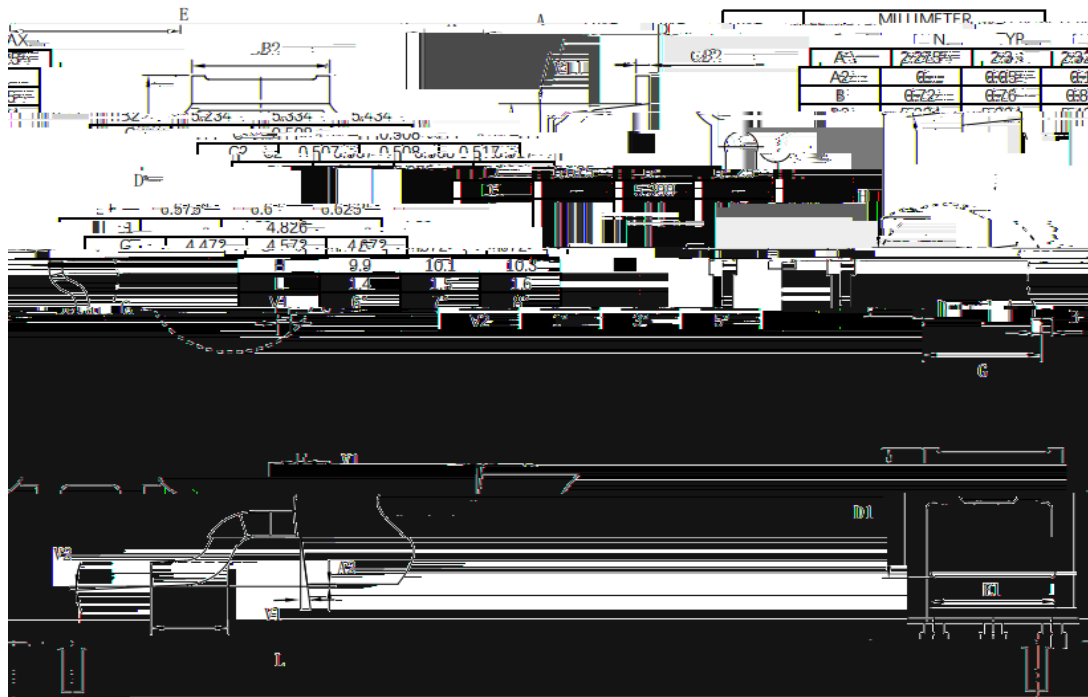


Figure 4: Diode Recovery Test Circuit & Waveform



Package Mechanical Data(TO-252-3L)

Package Outline



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