



	Value	Unit
	150	V
	3.3	V
	14	A
	51	mΩ

Marking	MSL	Form	Reel(pcs)	Per Carton (pcs)
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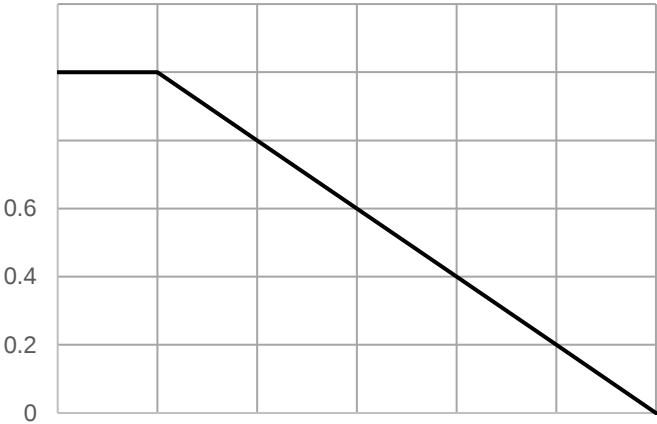
SH1552P



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

Symbol	Conditions	Min.	Typ.	Max.	Unit
Off Characteristics					
V _{(BR)DSS}		150	-	-	V
I _{DSS}		-	-	1.0	μ
I _{GSS}		-	-	±100	
V _{GS(th)}		2.3	3.3	4.3	V
R _{DS(ON)}		-	51	67	mΩ
R _g		-	1.1	-	Ω
C _{iss}		538	753	1016	pF
C _{oss}		55	77	104	pF
C _{rss}		-	12	-	pF
Q _g		-	11	17	nC
Q _{gs}		-	5	-	nC
Q _{gd}		-	2.4	-	nC
t _{d(on)}		-	8	-	ns
t _r		-	14	-	ns
t _{d(off)}		-	11	-	ns
t _f		-	2.8	-	ns
I _S		-	-		

Typical Performance Characteristics

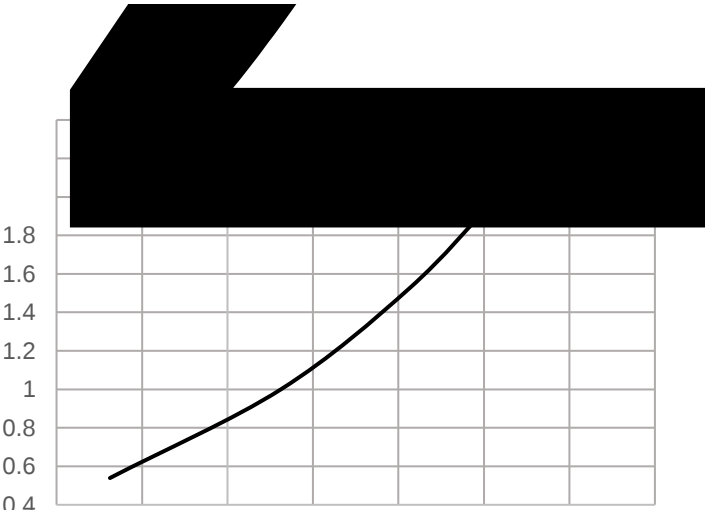
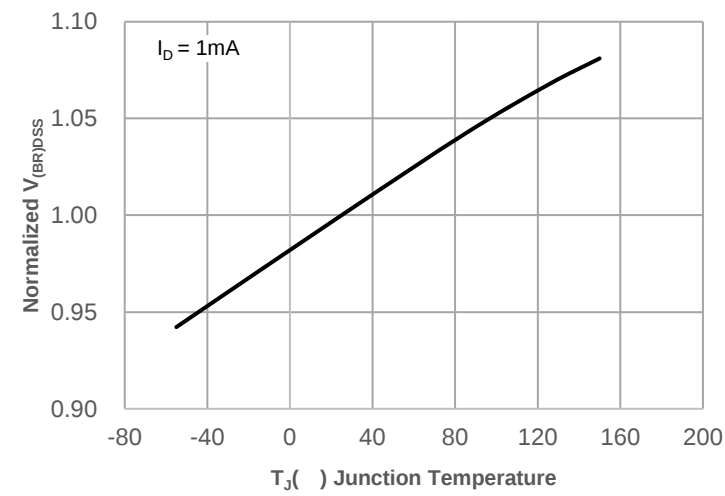


Typical Performance Characteristics



Typical Performance Characteristics

Figure 11: Normalized Breakdown voltage vs. Junction Temperature



Test Circuit



Figure 1: Gate Charge Test Circuit & Waveform

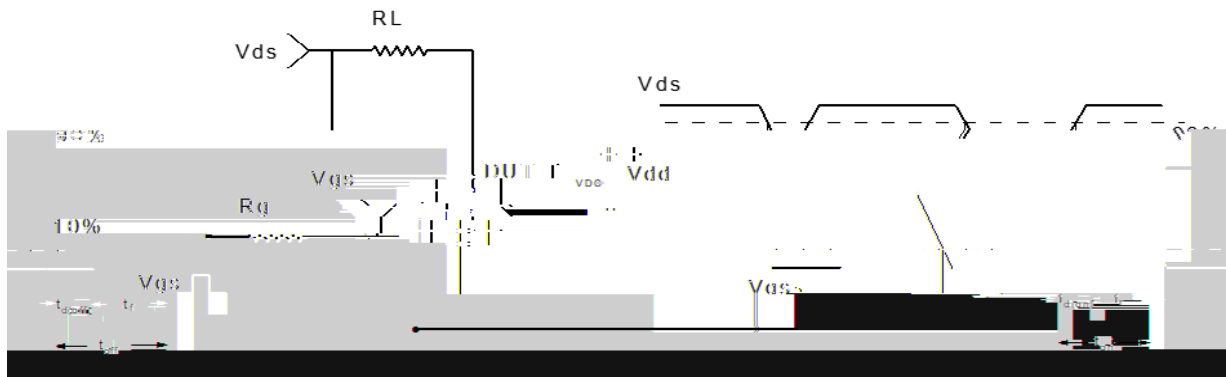


Figure 2: Resistive Switching Test Circuit & Waveform

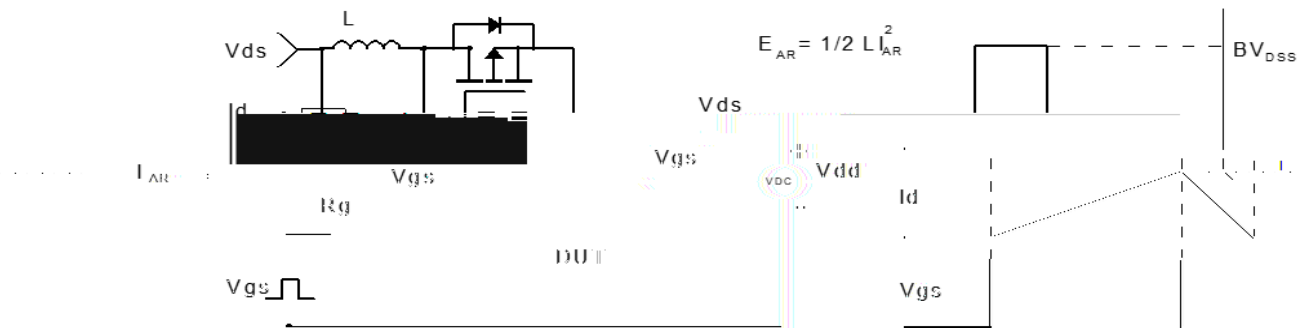


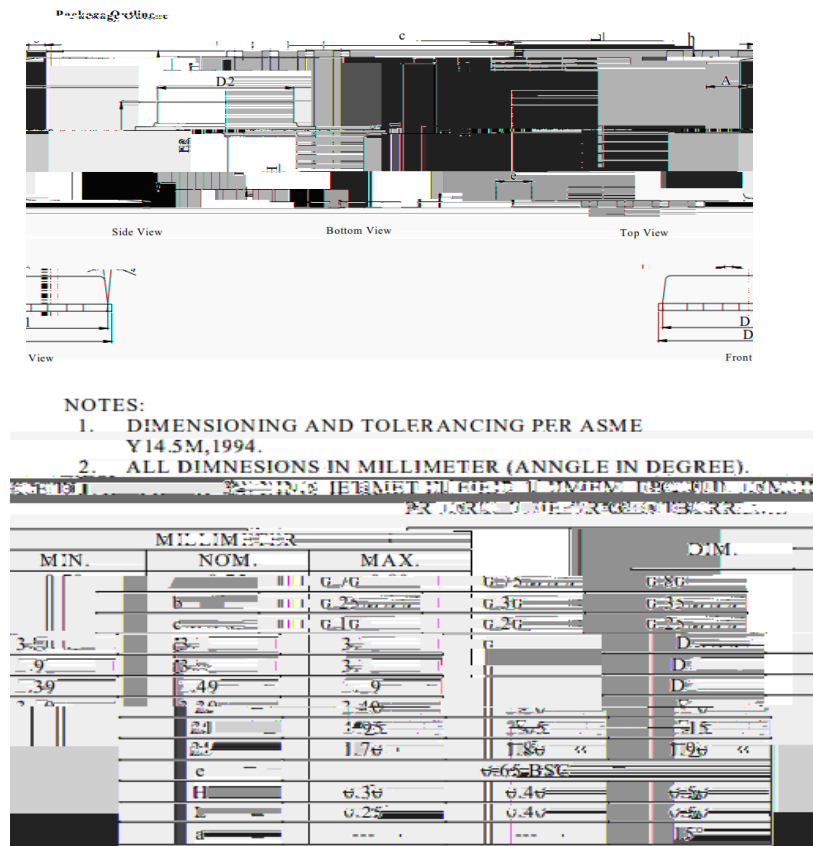
Figure 3: Unclamped Inductive Switching Test Circuit & Waveform



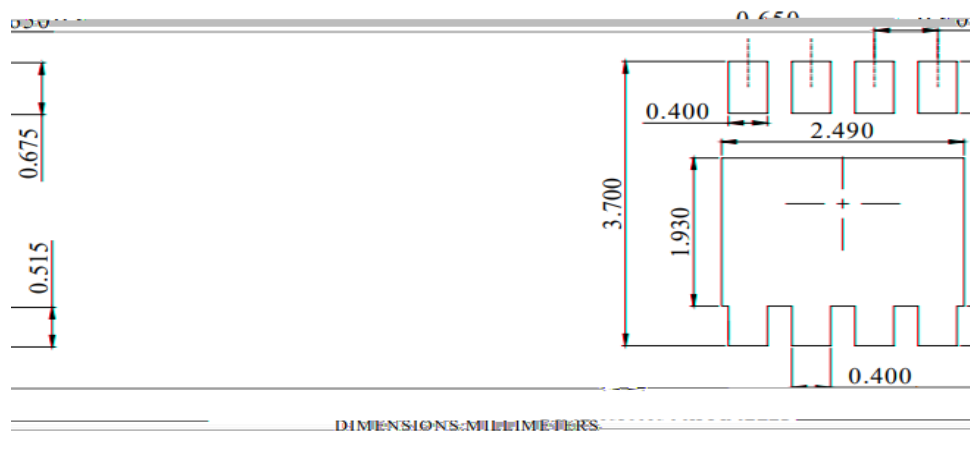
Figure 4: Diode Recovery Test Circuit & Waveform



Package Mechanical Data(PDFN3X3-8L)



Recommended Soldering Footprint



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