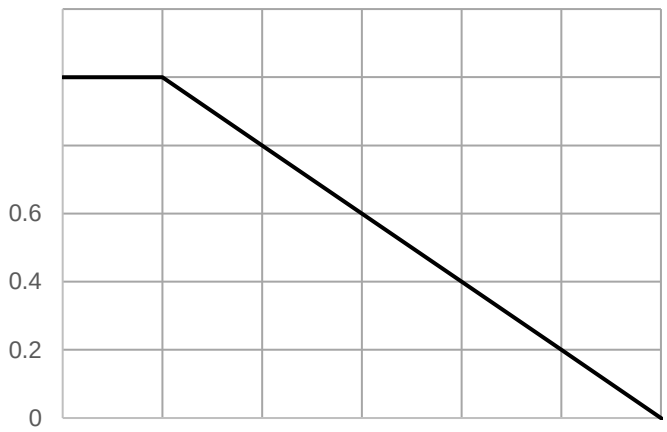
	Value	Unit
	150	V
	3.3	V
	14	A
	51	mΩ

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

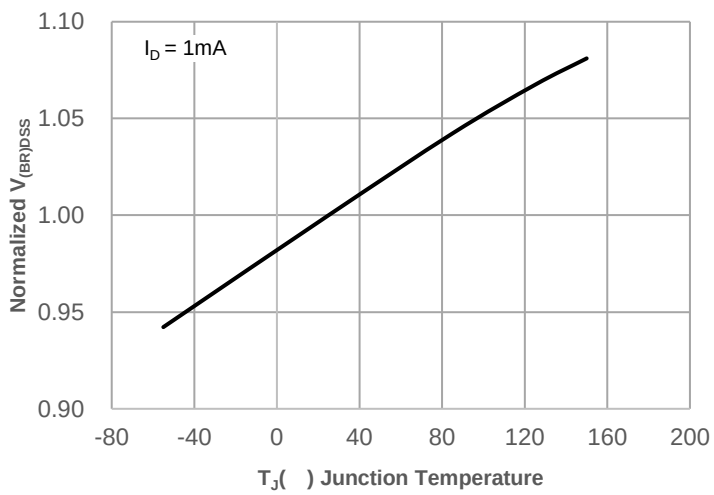
Typical Performance Characteristics

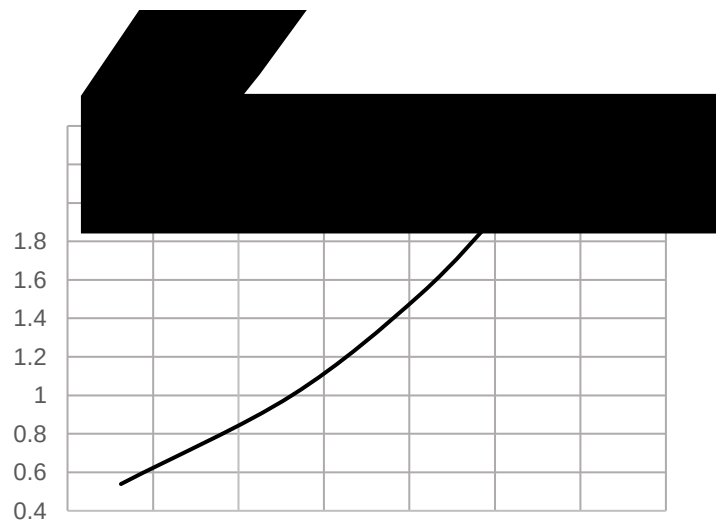


Typical Performance Characteristics

Typical Performance Characteristics

Figure 11: Normalized Breakdown voltage vs. Junction Temperature





Test Circuit

Figure 1: Gate Charge Test Circuit & Waveform

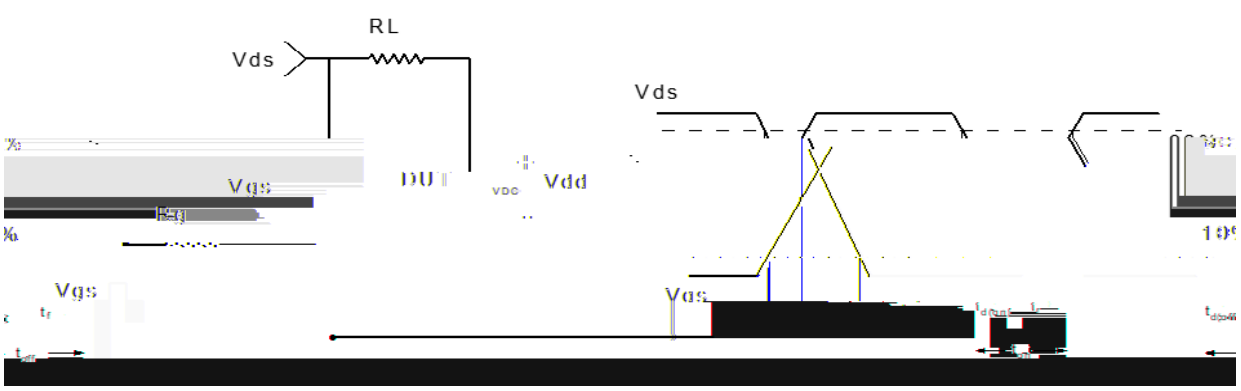


Figure 2: Resistive Switching Test Circuit & Waveform

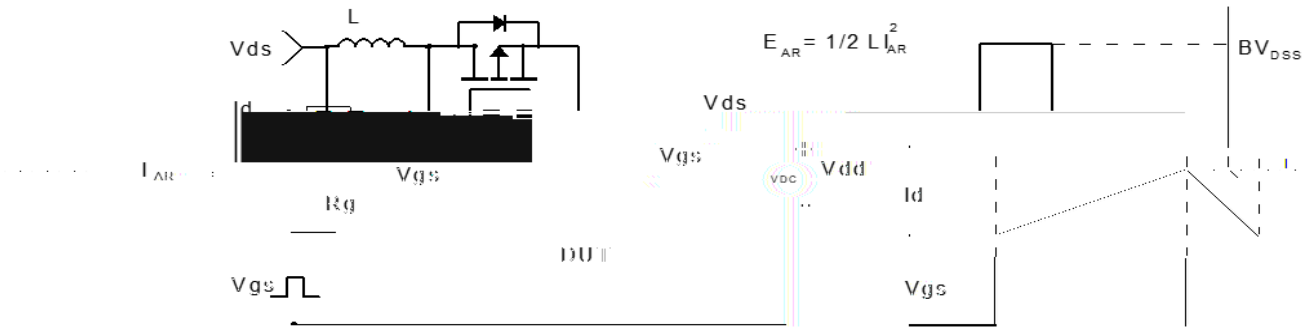
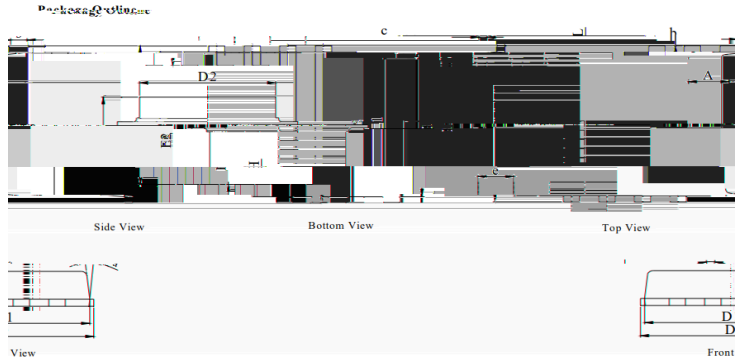


Figure 3: Unclamped Inductive Switching Test Circuit& Waveform

Figure 4: Diode Recovery Test Circuit & Waveform

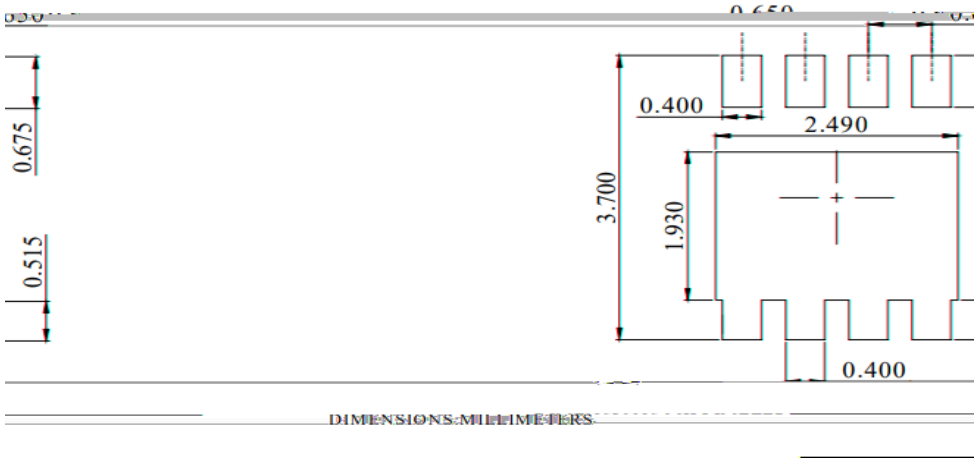
Package Mechanical Data(PDFN3X3-8L)



NOTES:

1. DIMENSIONING AND TOLERANCING PER ASME Y14.5M,1994.
2. ALL DIMNESIONS IN MILLIMETER (ANNGLE IN DEGREE).

DIM	MILLIMETER		
	MIN	NOM	MAX
D			
E			
D			



Recommended Soldering Footprint

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