



**Ordering Information:**

**Absolute Maximum Ratings**  $T_C=25$

Parameter	Symbol	Rating	Unit
Drain-Source Voltage	$V_{DS}$	40	V
Gate-Source Voltage	$V_{GS}$	$\pm 20$	V
Continuous Drain Current	$I_D @ T_C=25$	59	A
	$I_D @ T_C=75$	45	A
	$I_D @ T_C=100$	37	A
Pulsed Drain Current	$I_{DM}$	180	A
Total Power Dissipation	$P_D @ T_C=214.37$		







Fig.7 Gate Charge Characteristics

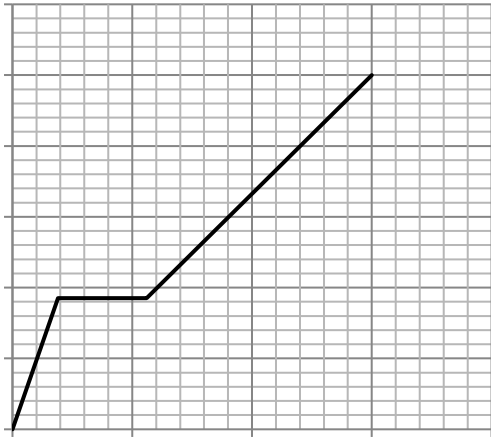


Fig.8 Capacitance vs Vds

Fig.9 SOA Maximum Safe Operating Area

Fig.10 ID-Junction Temperature

Fig.11 Switching Time Measurement Circuit

Fig.12 Gate Charge Waveform

Fig.13 Resistive Switching Test Circuit

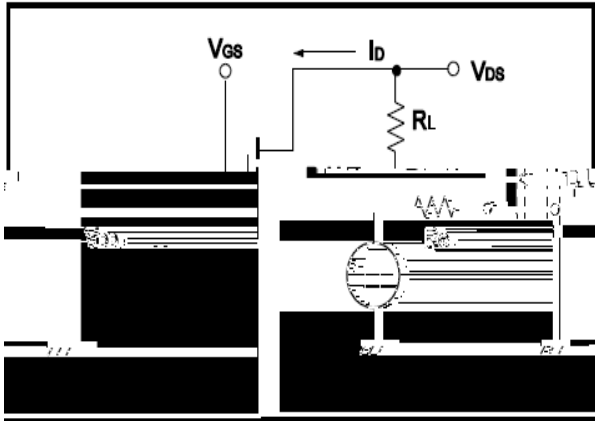


Fig.14 Resistive Switching Test Waveform

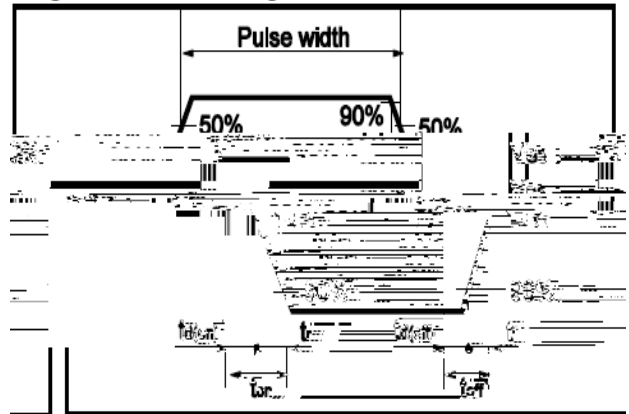


Fig.15 Avalanche Measurement Circuit

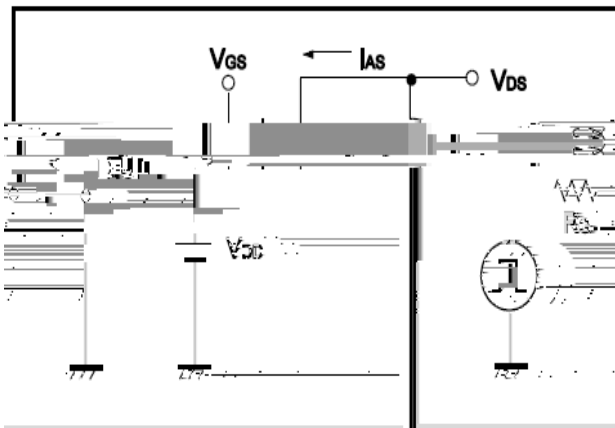
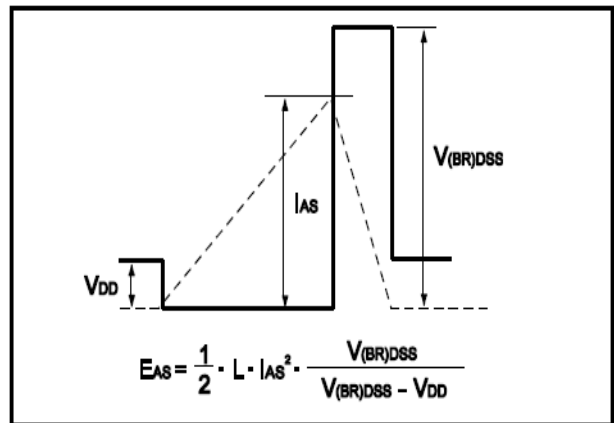


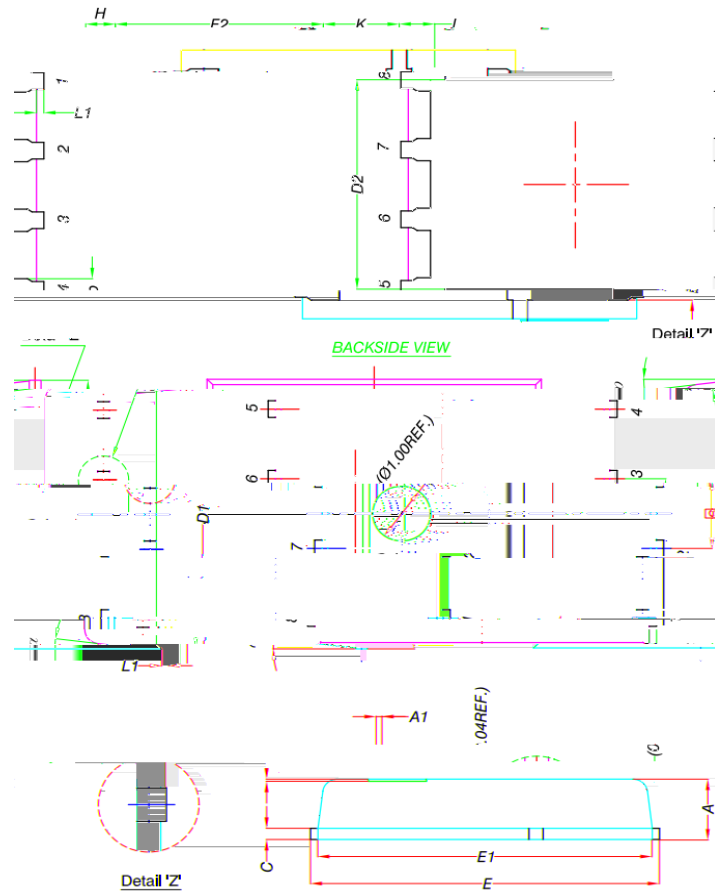
Fig.16 Avalanche Waveform





Dimensions DFN5x6

Unit mm



DIM.	MILLIMETERS		
	MIN.	NOM.	MAX.
A	0.90	1.00	1.10
A1	0	-	0.05
b	0.33	0.41	0.51
C	0.20	0.25	0.30
D1	4.80	4.90	5.00
D2	3.61	3.81	3.96

