●Ordering Information:

●Absolute Maximum Ratings T_C=25

Parameter	**Symbol**	Rating	Unit
Drain-Source Voltage	V_{DS}	40	V
Gate-Source Voltage	V_{GS}	±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

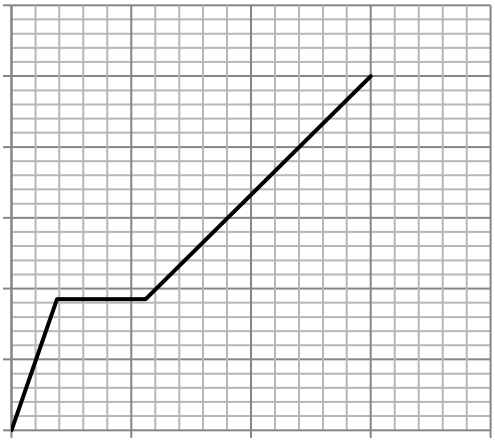


Fig.8 Capacitance vs Vds

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

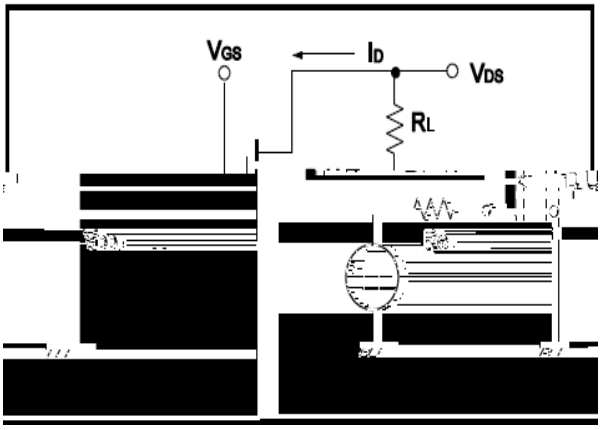


Fig.14 Resistive Switching Test Waveform

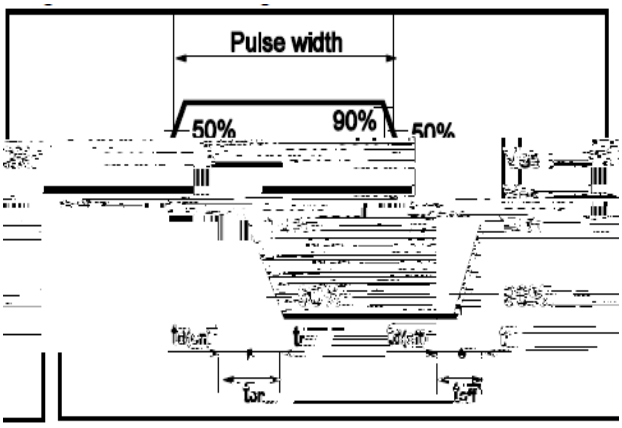


Fig.15 Avalanche Measurement Circuit

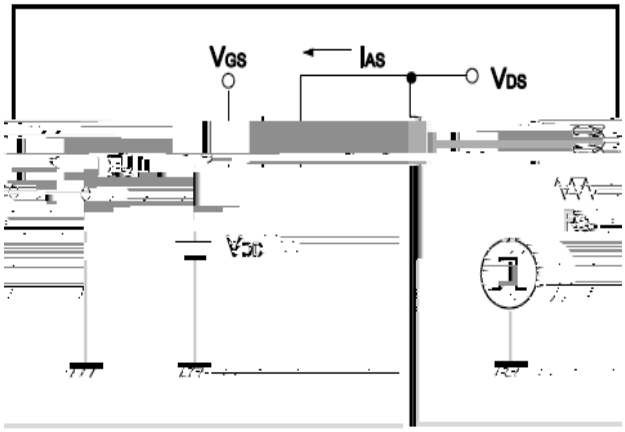
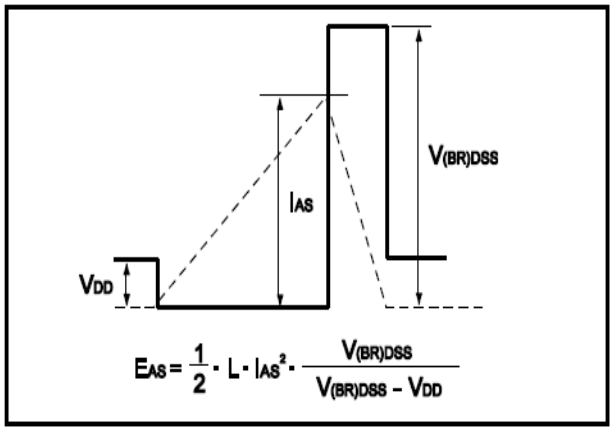
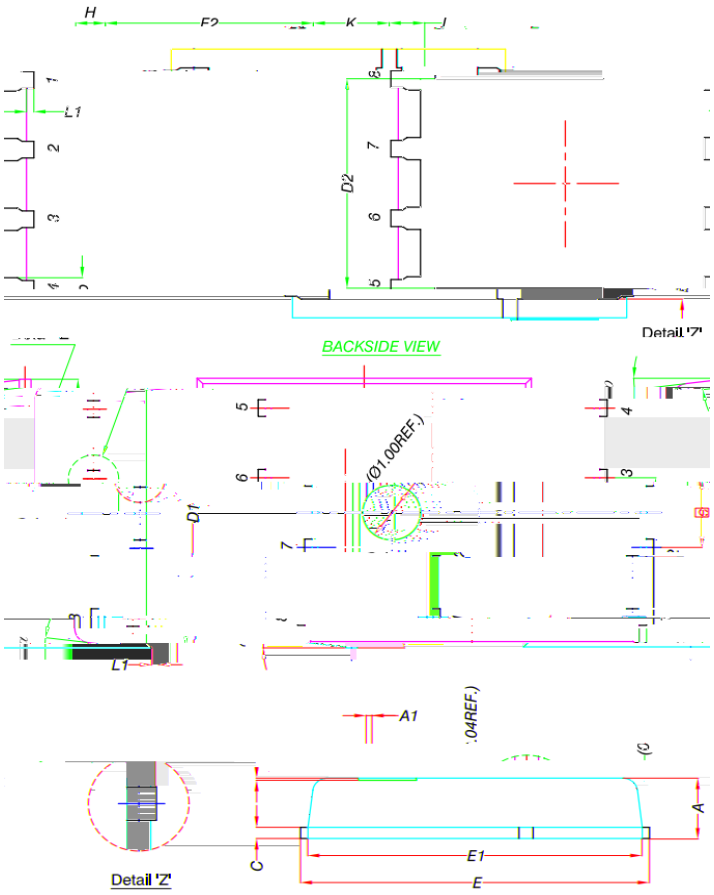


Fig.16 Avalanche Waveform



●Dimensions DFN5×6

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
E	5.70	5.75	5.80
E2	3.38	3.58	3.78
e		1.27 BSC	
H	0.41	0.51	0.61
K	1.10	-	-
L	0.51	0.61	0.71
L1	0.20	0.25	0.30
θ	0°	-	12°