



**Ordering Information:**

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

Parameter	Symbol	Rating	Unit
Drain-Source Voltage	$V_{DS}$	60	V
Gate-Source Voltage	$V_{GS}$	$\pm 20$	V
Continuous Drain Current	$I_{D@TC=25}$	70	A
	$I_{D@TC=75}$	53	A
	$I_{D@TC=100}$	44	A
Pulsed Drain Current	$I_{DM}$	210	A

Total Power Dissipation



**Thermal resistance**

<b>Parameter</b>	<b>Symbol</b>	<b>Min.</b>	<b>Typ.</b>	<b>Max.</b>	<b>Unit</b>
Thermal resistance, junction - case	R <sub>thJC</sub>	-	-	1.6	° C/W
Thermal resistance, junction - ambient	R <sub>thJA</sub>	-	-	50	° C/W
Soldering temperature, wavesoldering for 10s	T <sub>sold</sub>	-	-	265	



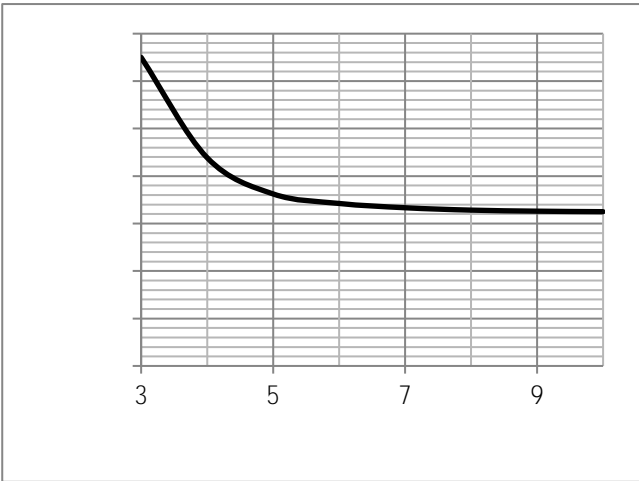


Fig.9 SOA Maximum Safe Operating Area

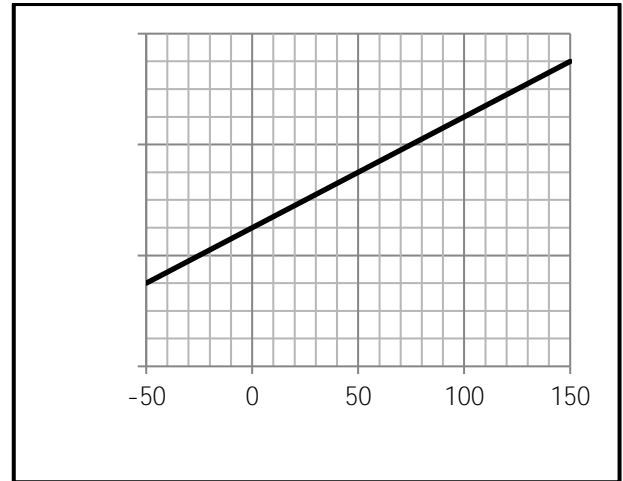


Fig.10 ID-Junction Temperature

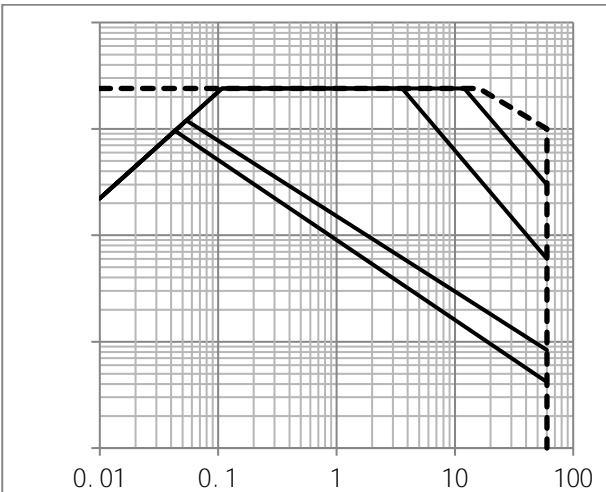


Fig.11 Switching Time Measurement Circuit

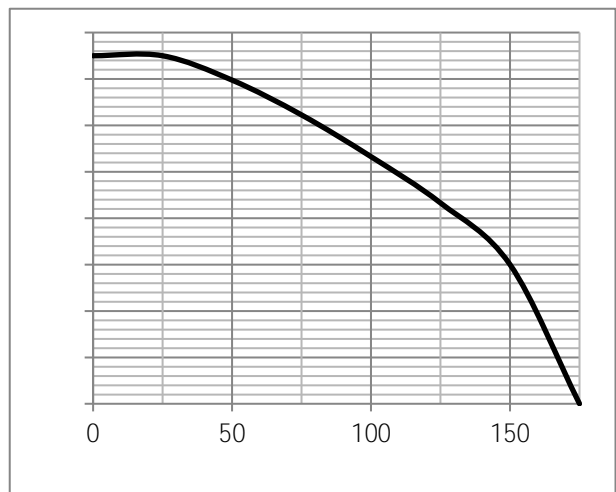


Fig.12 Gate Charge Waveform

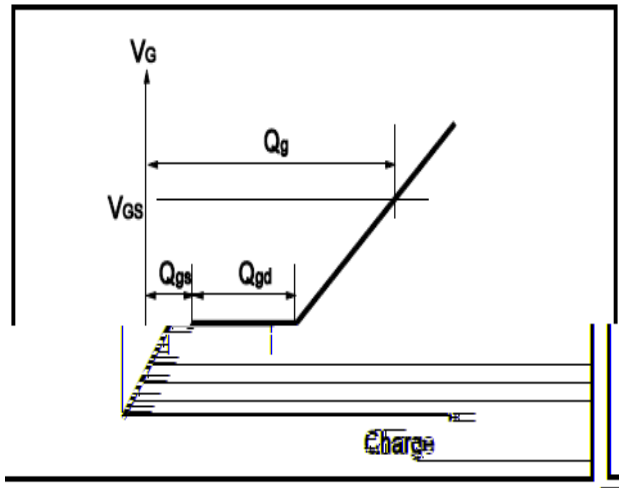
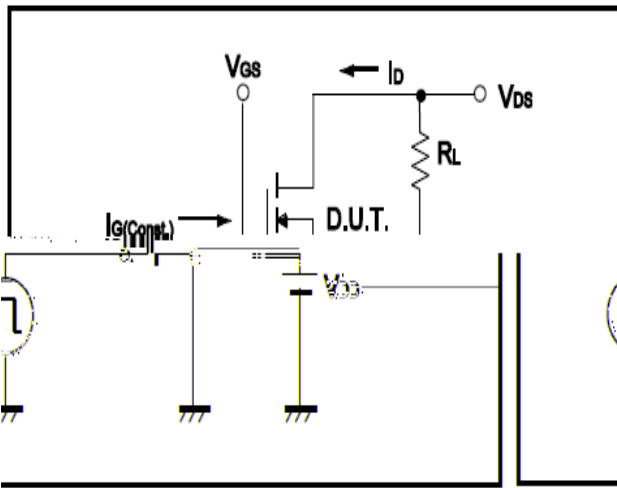




Fig.13 Switching Time Measurement Circuit

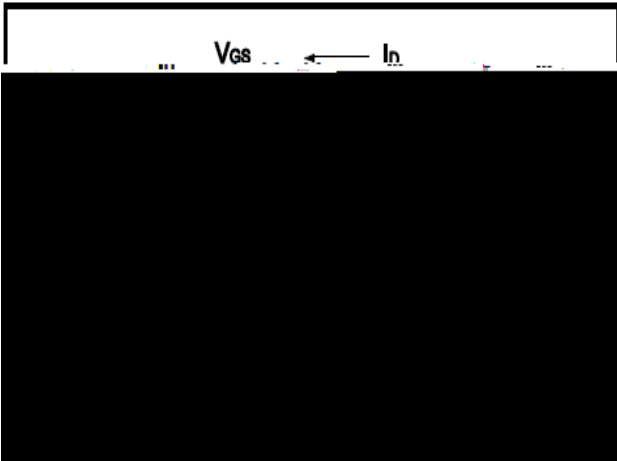
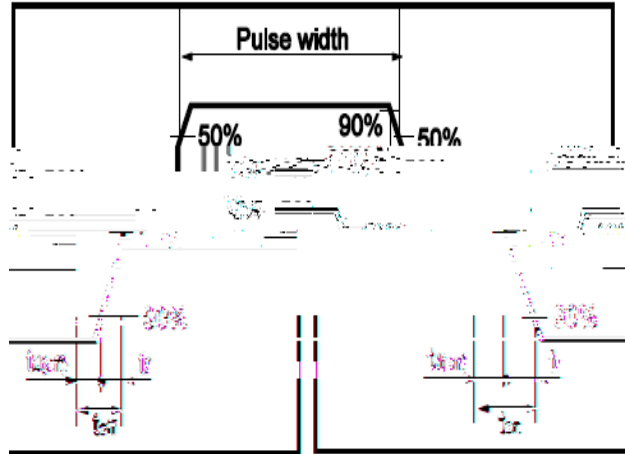


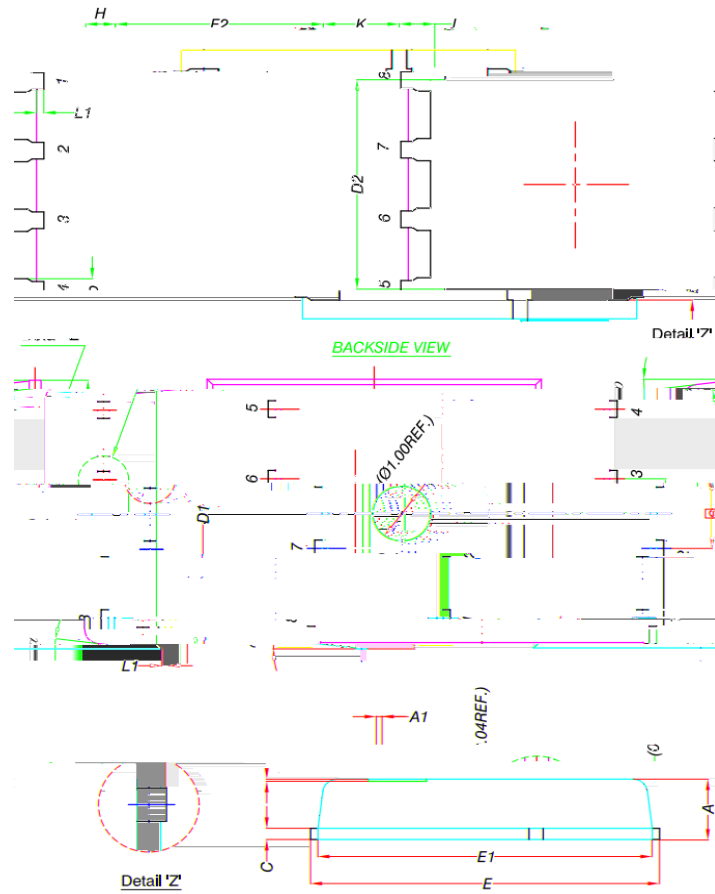
Fig.14 Gate Charge Waveform





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

1	5.70	5.75	5.80	E
E2	3.38	3.58	3.78	
e	1.27 BSC			
H	0.48	0.51	0.61	
K	1.10			
L1	0.31	0.51	0.61	
3	0.20	0.06	0.1	