



**T<sub>c</sub> =25**

Parameter	Symbol	Rating	Unit
Drain-Source Voltage	V <sub>DS</sub>	120	V
Gate-Source Voltage	V <sub>GS</sub>	±20	V
Continuous Drain Current	I <sub>D@TC=25</sub>	75	A
	I <sub>D@TC=75</sub>	57	A
	I <sub>D@TC=100</sub>	47	A
Pulsed Drain Current	I <sub>DM</sub>	225	A

Total Power Dissipation(TC=25 )







Fig.5 Threshold Voltage V.S Junction Temperature

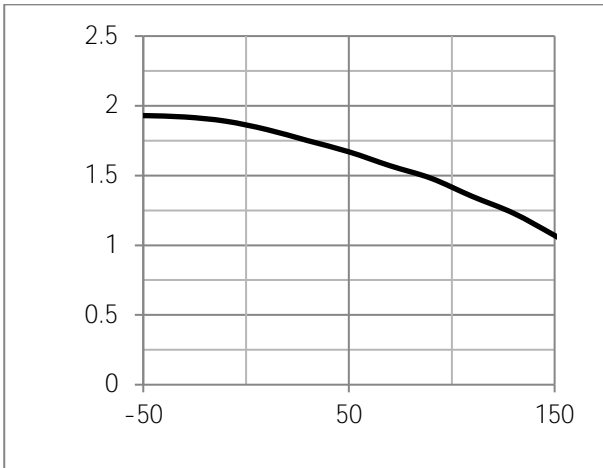


Fig.6 Resistance V.S Drain Current

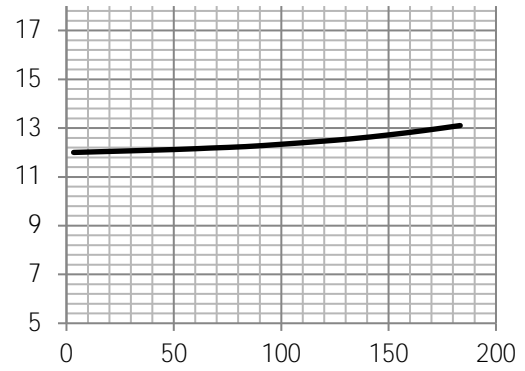


Fig.7 On-Resistance VS Gate Source Voltage

Fig.8 On-Resistance V.S Junction Temperature

Fig.9 Switching Time Measurement Circuit

Fig.10 Gate Charge Waveform



Fig.11 Switching Time Measurement Circuit

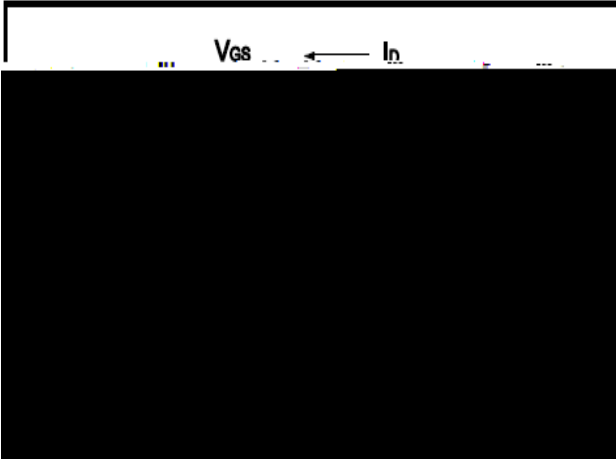
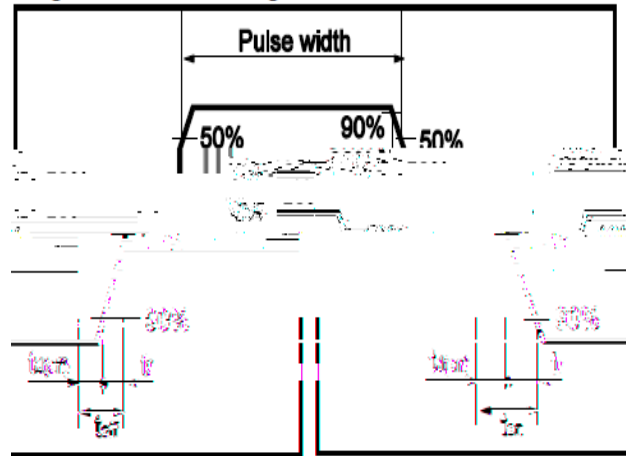


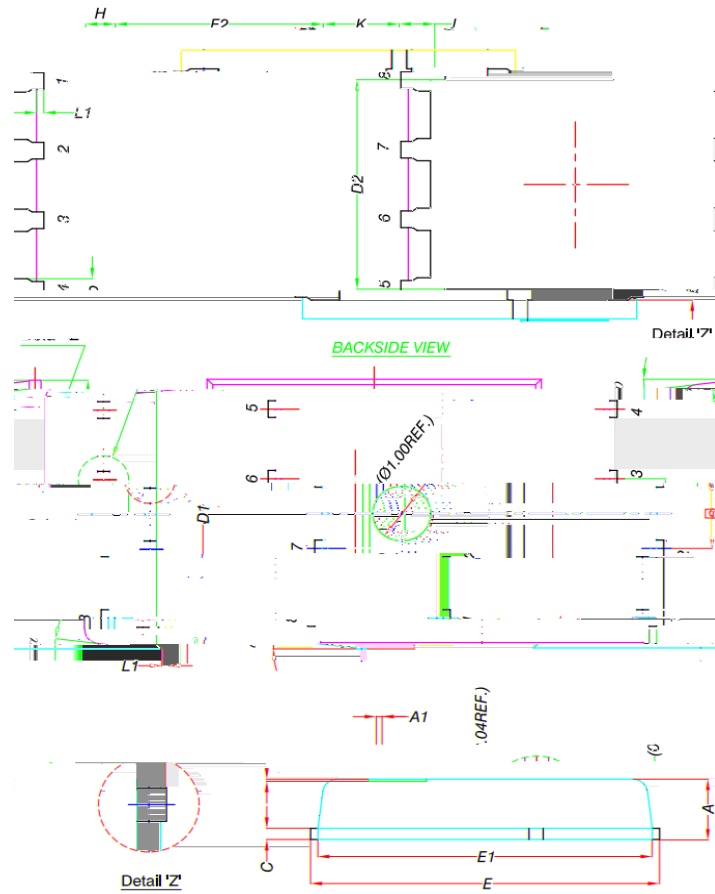
Fig.12 Gate Charge Waveform





**sions 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	0.45	0.51	0.61	
K	1.10			
L1	0.51	0.61	0.66	
3	0.20	0.06	0.1	
b				