

**Ordering Information:****Absolute Maximum Ratings** $T_C = 25$

Parameter	Symbol	Rating	Unit
Drain-Source Voltage	V_{DS}	65	V
Gate-Source Voltage	V_{GS}	± 20	V
Continuous Drain Current	$I_{D@TC=25}$	10	A
	$I_{D@TC=75}$	7.6	A
	$I_{D@TC=100}$	6.3	A
Pulsed Drain Current	I_{DM}	30	A
Total Power Dissipation	$P_D@TC=25$	3.6	W
Total Power Dissipation	$P_D@TA=25$	0.69	W
Operating Junction Temperature	T_J		

Fig.1 Gate-Charge Characteristics

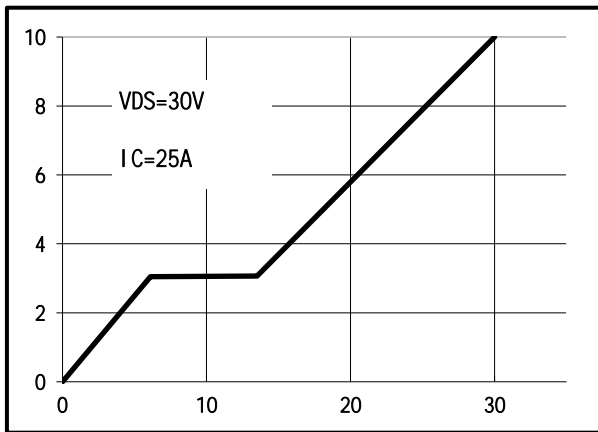


Fig.2 Capacitance Characteristics

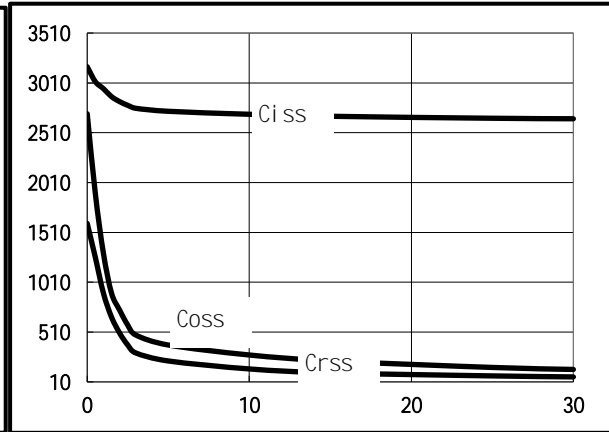


Fig.3 Power Dissipation

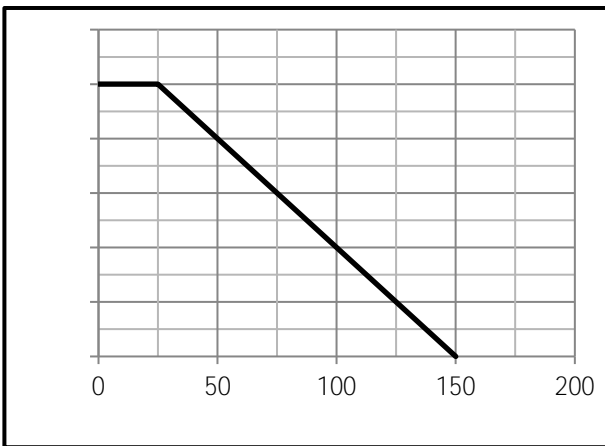


Fig.4 Typical output Characteristics

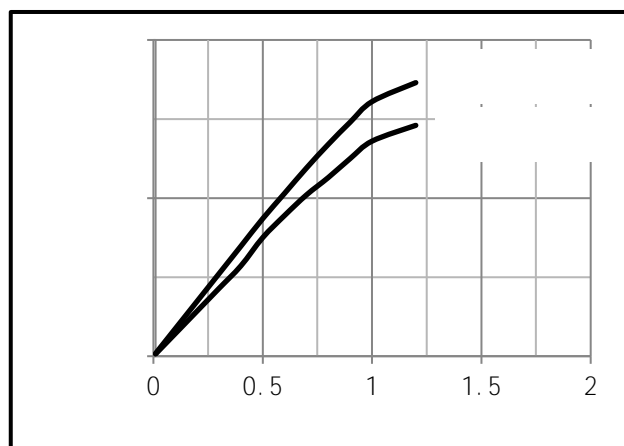


Fig.5 Threshold Voltage V.S Junction Temperature

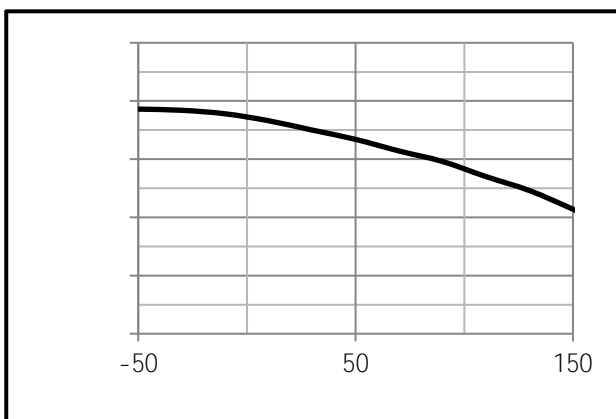
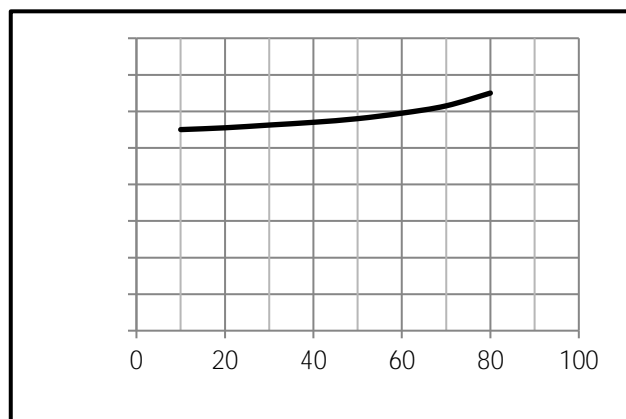


Fig.6 Resistance V.S Drain Current



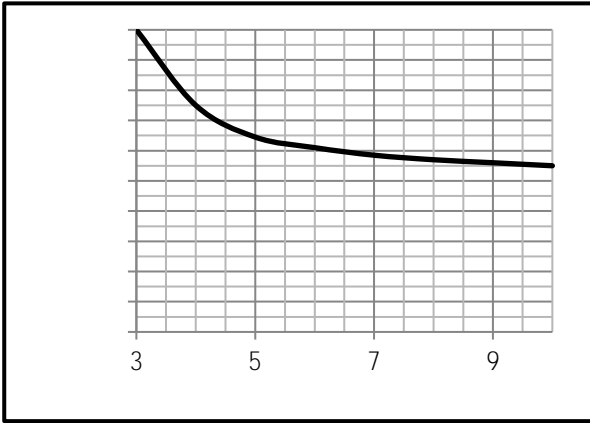


Fig.9 Switching Time Measurement Circuit

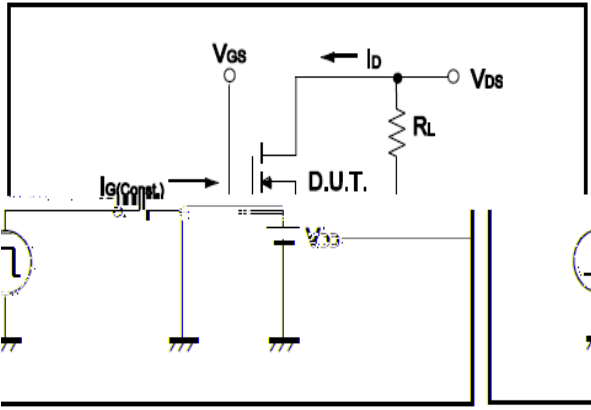


Fig.11 Switching Time Measurement Circuit

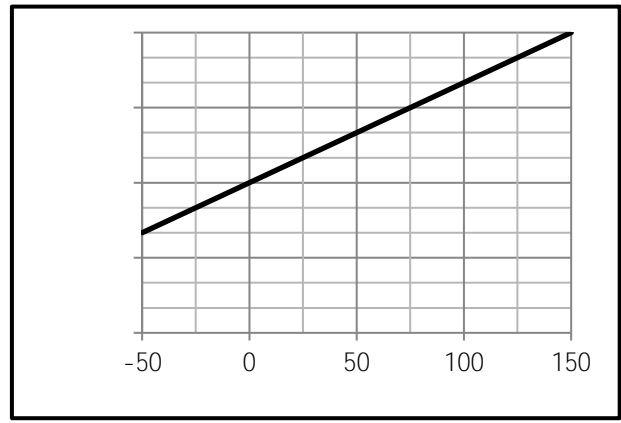
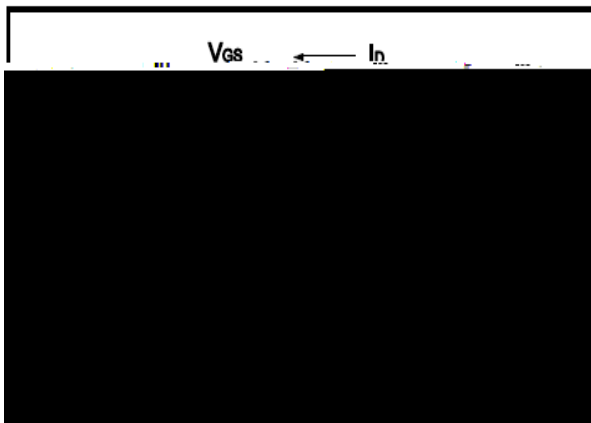


Fig.10 Gate Charge Waveform

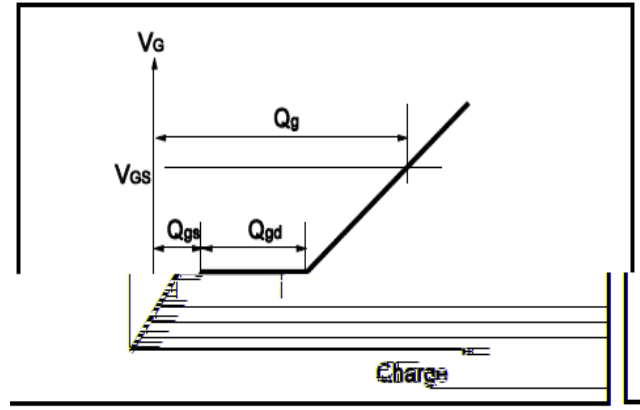


Fig.12 Gate Charge Waveform

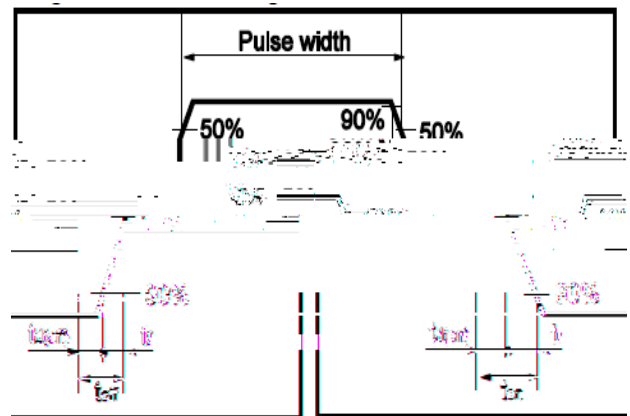


Fig.13 Avalanati Measurement Circuit

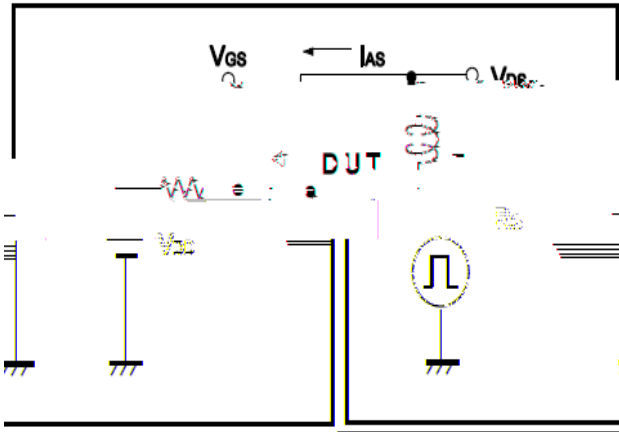
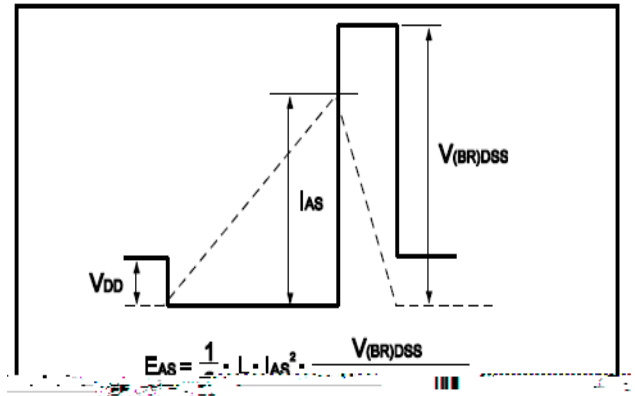


Fig.14 Avalanati Waveform



Dimensions(SOP8)

Unit: mm

SYMBOL	min	TYP	max	SYMBOL	min		max
A	4.80		5.25	C	1.30		1.75
A1	0.37		0.49	C1	0.55		0.75
A2		1.27		C2	0.55		0.65
A3		0.41		C3	0.05		0.20
B	5.80		6.20	C4	0.10	0.20	0.23
B1	3.80		4.10	D		1.05	
B2		5.00		D1	0.40		0.62

