



□

**Ordering Information:**

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**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	$I_{D@TC=25}$	35	A
	$I_{D@TC=75}$	26.6	A
	0.48001 0.4800		



**Thermal resistance**

	Symbol	Min.	Typ.	Max.	Unit
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Thermal resistance, junction - case



Fig.1 Power Dissipation

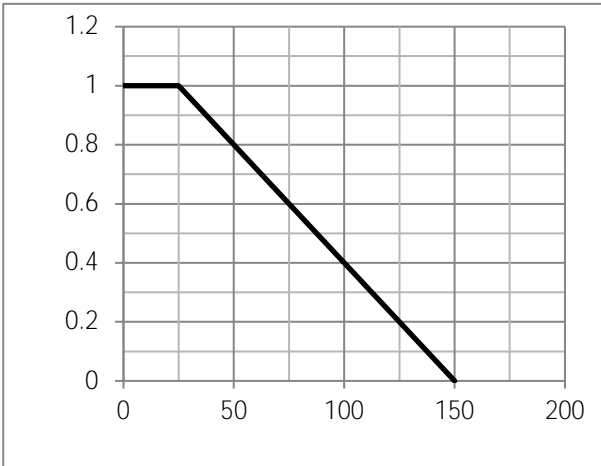


Fig.2 Typical output Characteristics

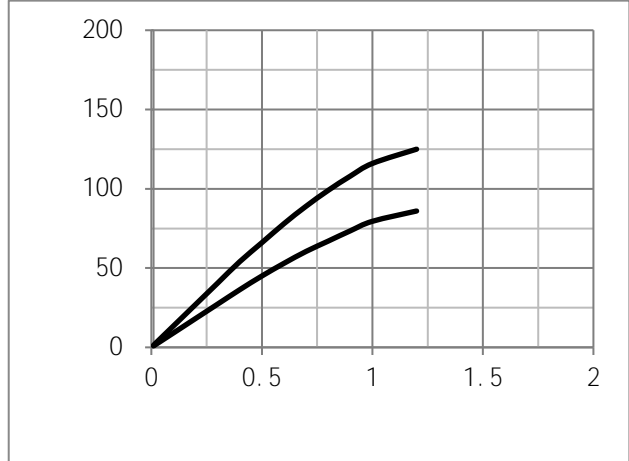


Fig.3 Threshold Voltage V.S Junction Temperature

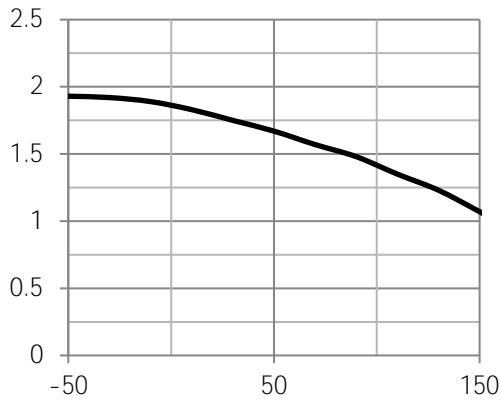


Fig.4 Resistance V.S Drain Current

Fig.7 Switching Time Measurement Circuit

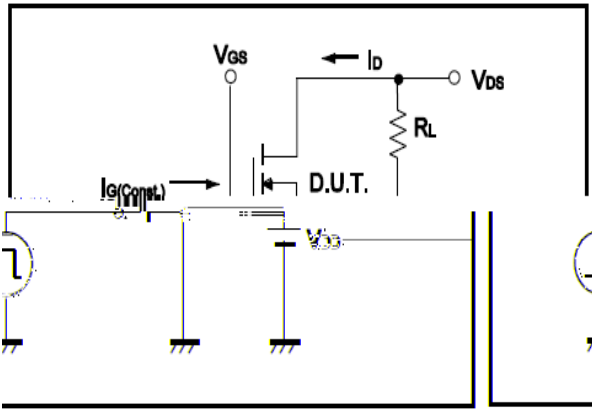


Fig.8 Gate Charge Waveform

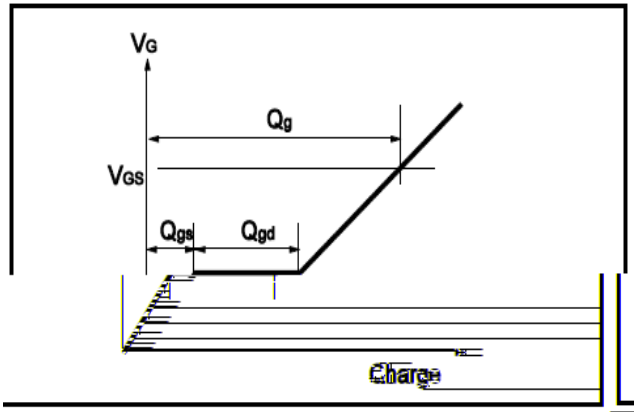


Fig.9 Switching Time Measurement Circuit

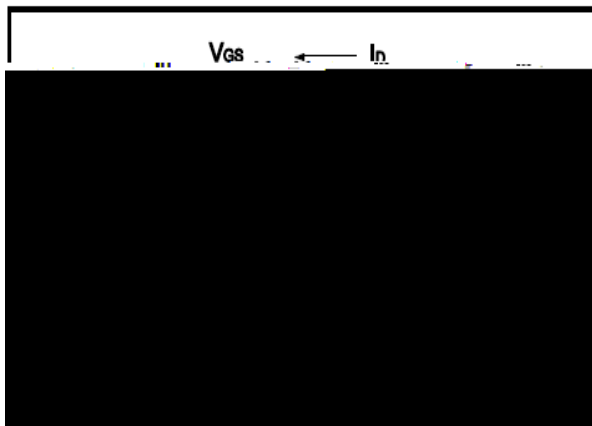


Fig.10 Gate Charge Waveform

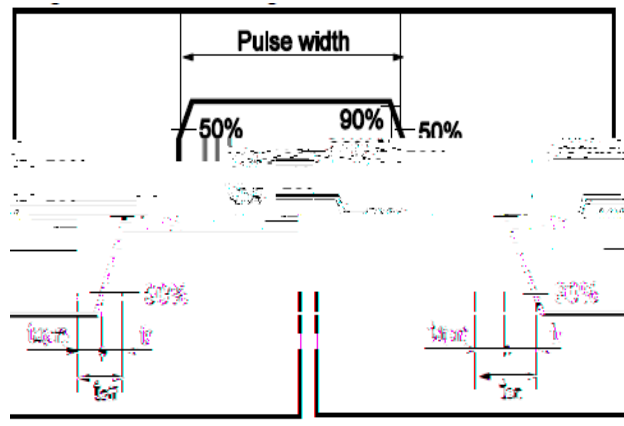


Fig.11 Avalanche Measurement Circuit

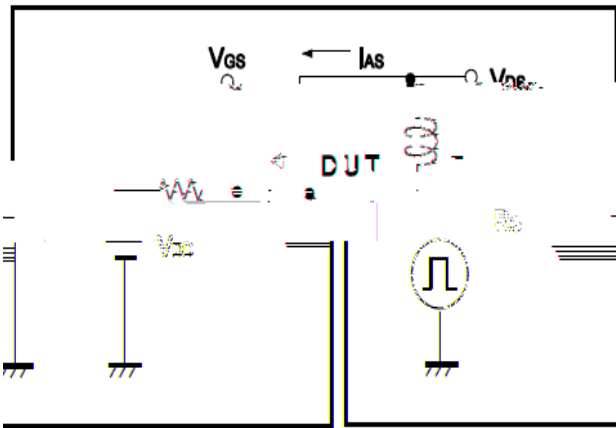
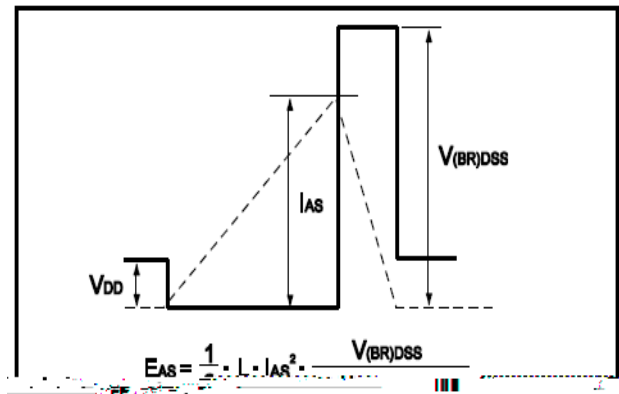


Fig.12 Avalanche Waveform





Dimensions (TO-220F)

Unit mm

Dimensions In Millimeters		Dimensions In Millimeters	
Min	Max	Min	Max
4.5	4.9	2.90	3.90
2.1	2.4	3.30	3.50
2.74	R	3.28	C1
2.95	b	12.46	13.78
			C2
			12.56

