



Ordering Information:

Absolute Maximum Rating $T_C = 25$

Parameter	Symbol	Rating	Unit
Drain-Source Voltage	V_{DS}	100	V
Gate-Source Voltage	V_{GS}	± 20	V
Continuous Drain Current	$I_{D@TC=25}$	60	A
	$I_{D@TC=75}$	45	A
	$I_{D@TC=100}$	38	A
Pulsed Drain Current	I_{DM}	180	

Thermal resistance

Parameter	Symbol	Min.	Typ.	Max.	Unit
Thermal resistance, junction - case	R_{thJC}	-	-	1.25	° C/W
Thermal resistance, junction - ambient	R_{thJA}	-	-	32	° C/W
Soldering temperature, wave soldering for 10s	T_{sold}	-	-	265	° C



Parameter	Symbol	Condition	Min.	Typ	Max.	Unit
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Fig.1 Gate-Charge Characteristics

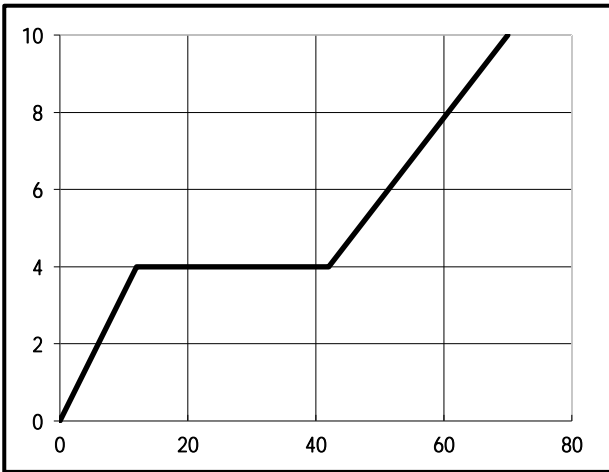


Fig.2 Capacitance Characteristics

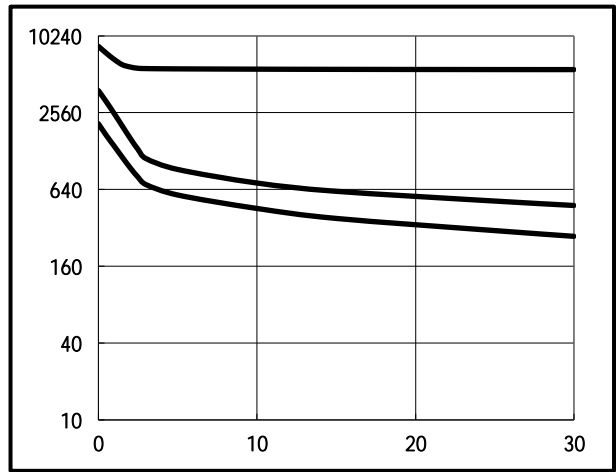


Fig.3 Power Dissipation

Fig.4 Typical output Characteristics

Fig.5 Threshold Voltage V.S Junction Temperature

Fig.6 Resistance V.S Drain Current

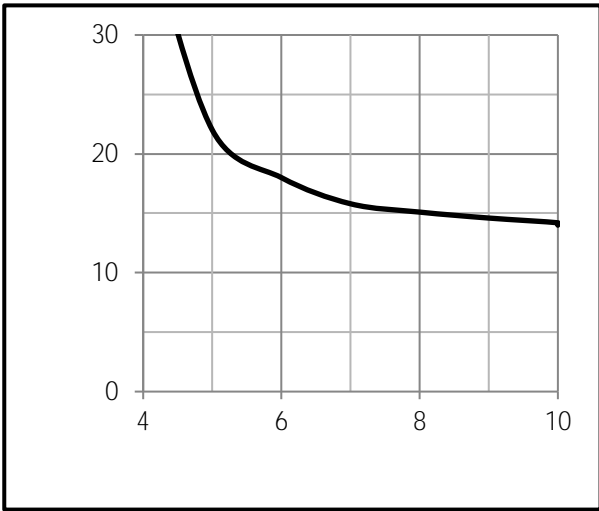


Fig.9 Switching Time Measurement Circuit

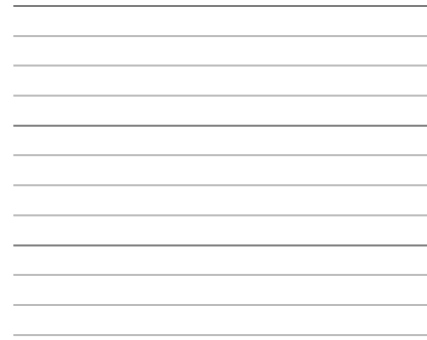


Fig.10 Gate Charge Waveform

Fig.11 Switching Time Measurement Circuit

Fig.12 Gate Charge Waveform



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