



$T_C = 25$

Parameter	Symbol	Rating	Unit
Drain-Source Voltage	V_{DS}	60	V
Gate-Source Voltage	V_{GS}	± 20	V
Continuous Drain Current	$I_{D@TC=25}$	120	A
	$I_{D@TC=75}$	91.2	A
	$I_{D@TC=100}$	75.6	A
Pulsed Drain Current	I_{DM}	250	A
Total Power Dissipation($TC=25$)	$P_D@TC=25$	120	W
Total Power Dissipation($TA=25$)	$P_D@TA=25$	5	W



Thermal resistance

Parameter	Symbol	Min.	Typ.	Max.	Unit
Thermal resistance, junction - case	R_{thJC}	-	-	1	° C/W
Thermal resistance, junction - ambient	R_{thJA}	-	-	25	° C/W
Soldering temperature, wavesoldering for 10s	T_{sold}	-	-	265	° C



-6

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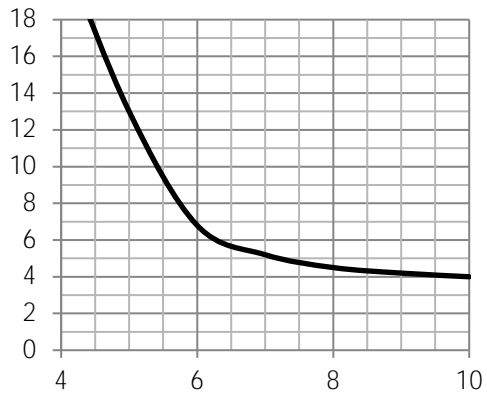


Fig.9 Switching Time Measurement Circuit

Fig.10 Gate Charge Waveform

Fig.11 Switching Time Measurement Circuit

Fig.12 Gate Charge Waveform

