



$T_C = 25$

Parameter	Symbol	Rating	Unit
Drain-Source Voltage	$V_{DS}$	60	V
Gate-Source Voltage	$V_{GS}$	$\pm 20$	V
Continuous Drain Current	$I_{D@TC=25}$	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





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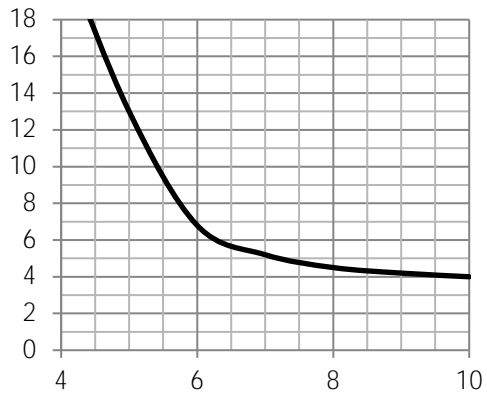


Fig.9 Switching Time Measurement Circuit

Fig.10 Gate Charge Waveform

Fig.11 Switching Time Measurement Circuit

Fig.12 Gate Charge Waveform

