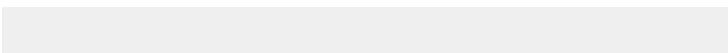


Absolute Maximum Ratings

Parameter	Symbol	Value	Unit



Dynamic Characteristics

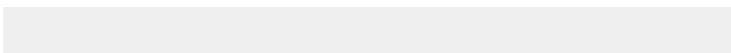
Parameter	Symbol	Min.	Typ.	Max.	Unit	Test condition

Gate Charge Characteristics

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test condition

Body Diode Characteristics

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test condition

Note


Electrical Characteristics Diagrams

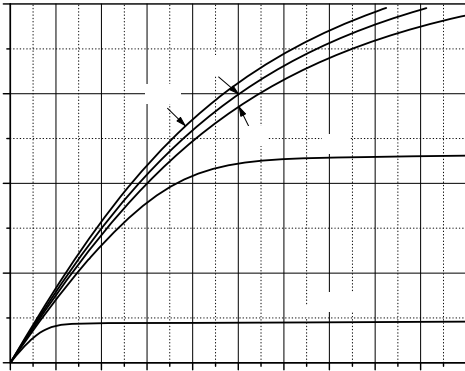


Figure 1. Typ. output characteristics

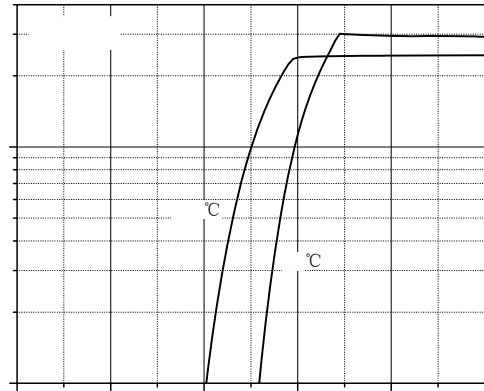


Figure 2. Typ. transfer characteristics

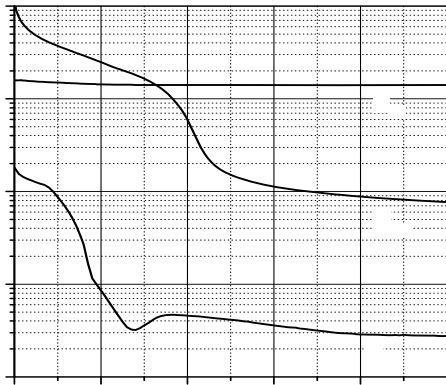


Figure 3. Typ. capacitances

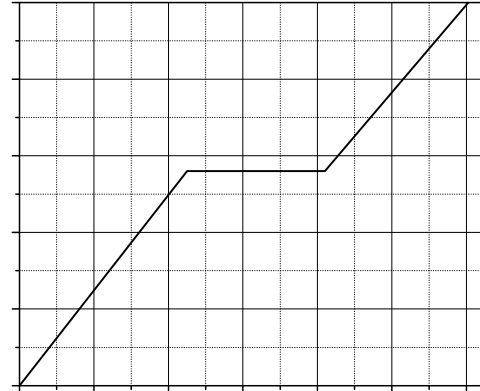
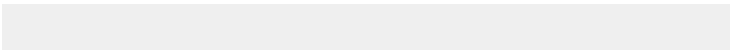


Figure 4. Typ. gate charge

Figure 5. Drain-source breakdown voltage

Figure 6. Drain-source on-state resistance



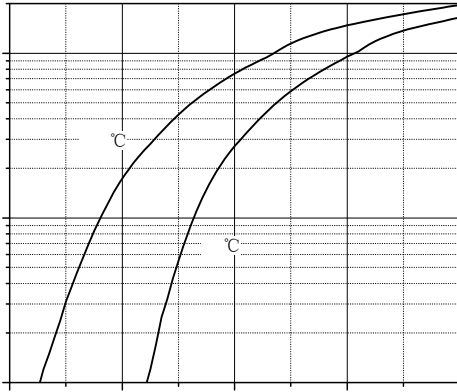


Figure 7. Forward characteristic of body diode



Figure 8. Drain-source on-state resistance

Figure 9. Drain current

Figure 10. Safe operation area $T_C=25\text{ }^\circ\text{C}$

Test circuits and waveforms

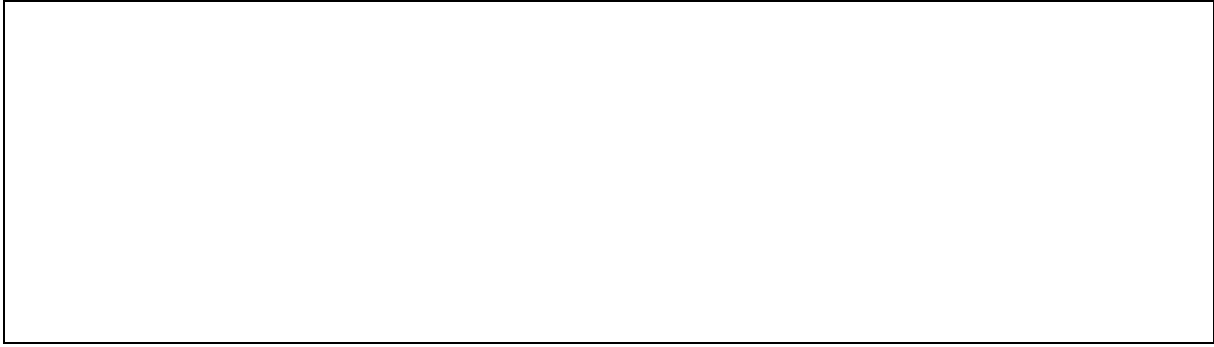


Figure 1. Gate charge test circuit & waveform

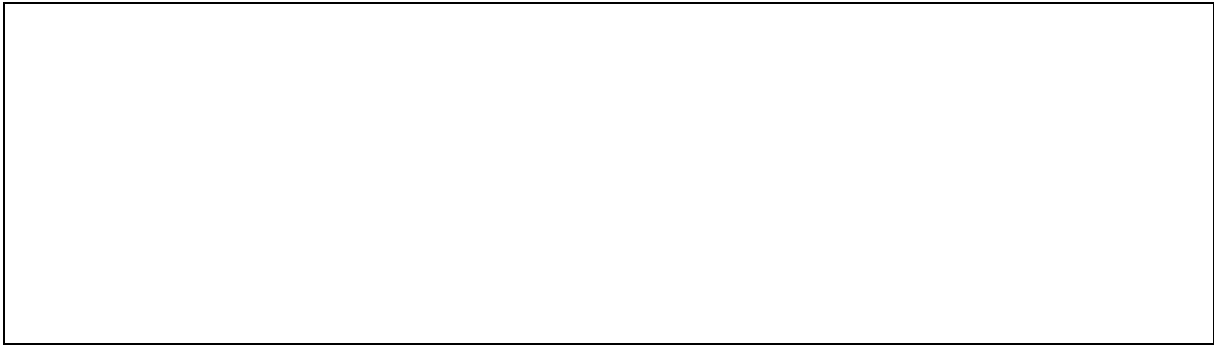


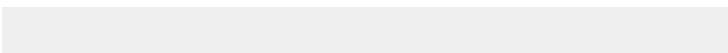
Figure 2. Switching time test circuit & waveforms



Figure 3. Unclamped inductive switching (UIS) test circuit & waveforms



Figure 4. Diode reverse recovery test circuit & waveforms



Ordering Information

Package Type	Units/ Tube	Tubes/ Inner Box	Units/ Inner Box	Inner Boxes/ Carton Box	Units/ Carton Box

Product Information

Product	Package	Pb Free	RoHS	Halogen Free

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