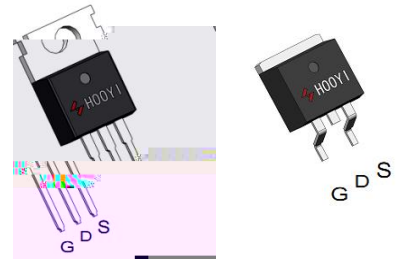


HYG067N07NQ1P/B

Feature

-
-
-
-

Pin Description



Applications

-
-
-
-

Ordering and Marking Information

HYG067N07NQ1P/B

Absolute Maximum Ratings

Symbol	Parameter	Rating	Unit
Common Ratings			

Mounted on Large Heat Sink

Electrical Characteristics (Cont.)

Symbol	Parameter	Test Conditions	HYG067N07NQ1			Unit
			Min	Typ.	Max	
Dynamic Characteristics						
Gate Charge Characteristics						

HYG067N07NQ1P/B

Typical Operating Characteristics

Figure 1: Power Dissipation

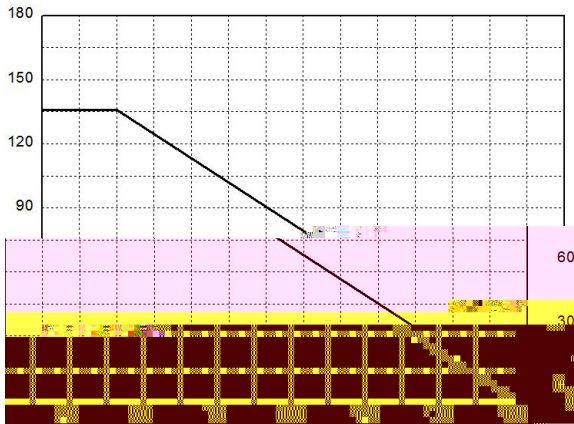


Figure 2: Drain Current

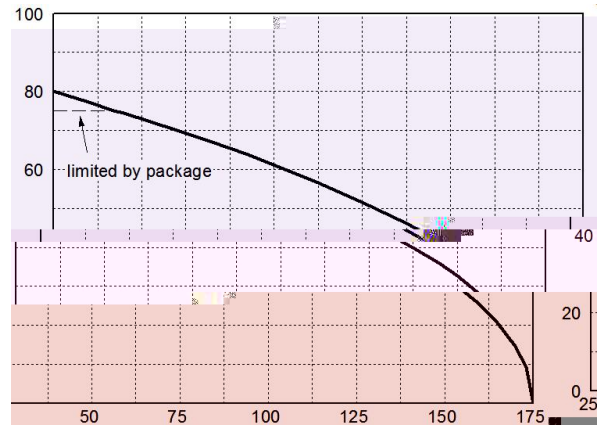


Figure 3: Safe Operation Area

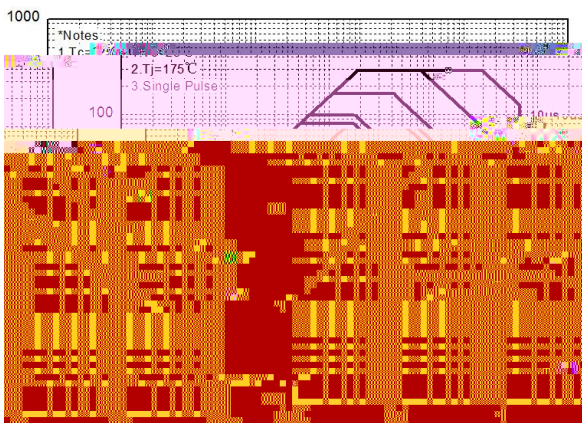


Figure 4: Thermal Transient Impedance

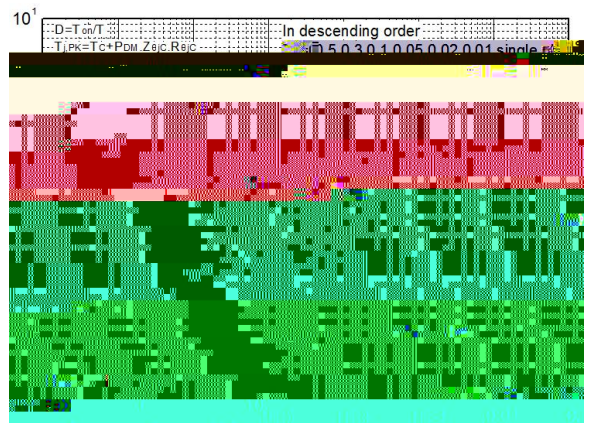


Figure 5: Output Characteristics

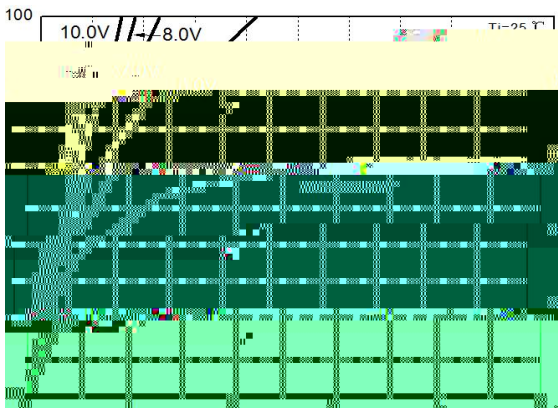
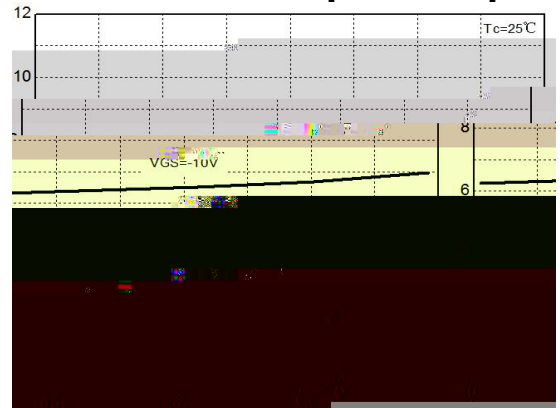


Figure 6: Drain-Source On Resistance



Maximum Effective Transient Thermal Impedance Junction to Case

Typical Operating Characteristics(Cont.)

Figure 7: On-Resistance vs. Temperature

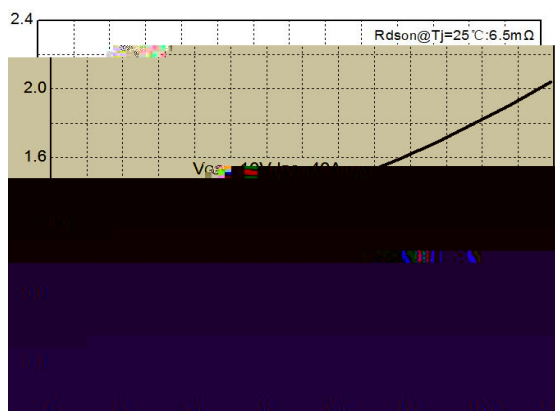


Figure 8: Source-Drain Diode Forward

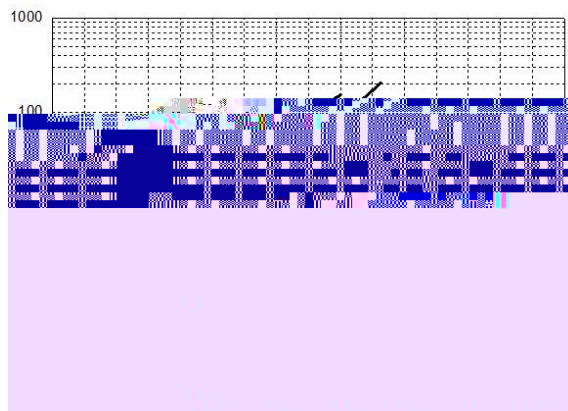


Figure 9: Capacitance Characteristics

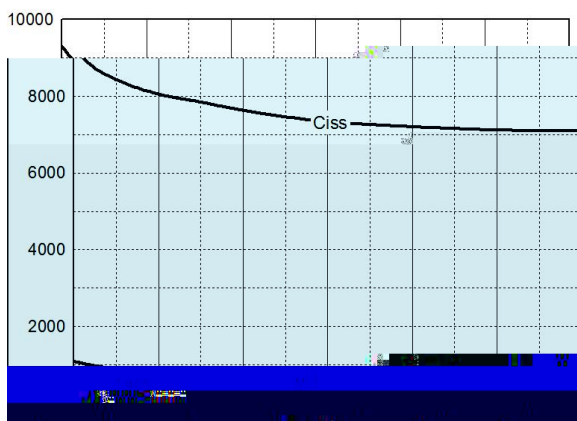
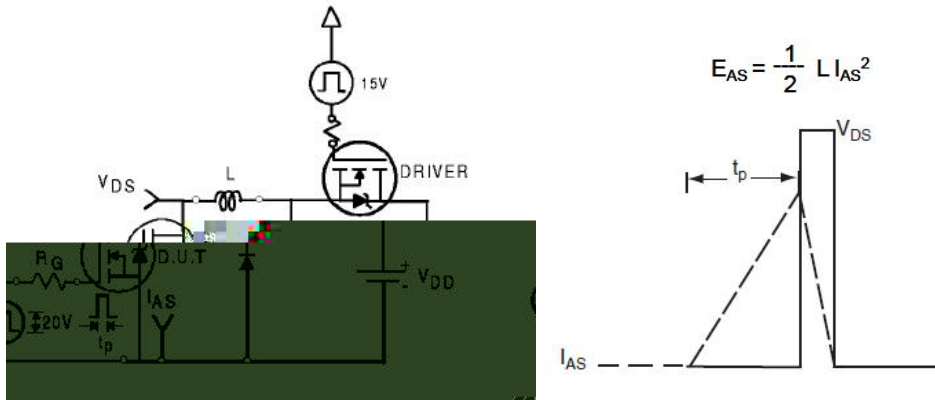


Figure 10: Gate Charge Characteristics

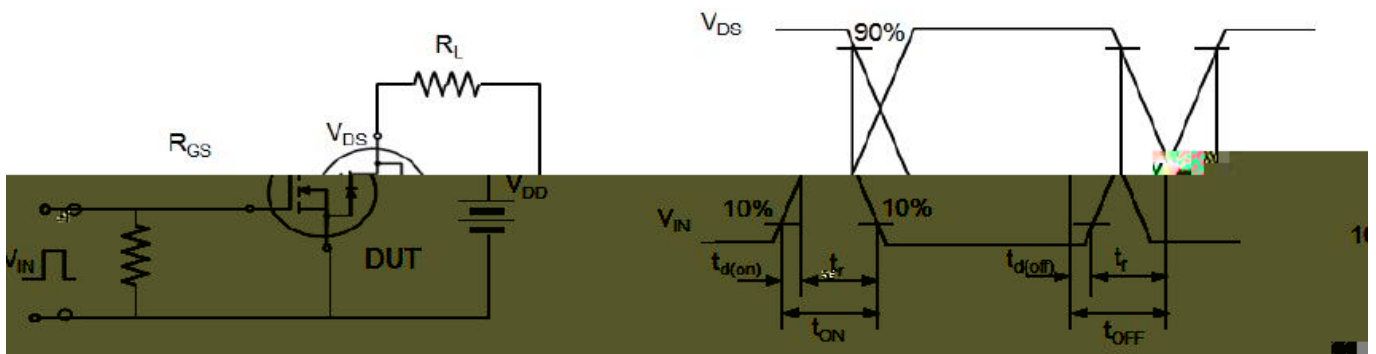


nC

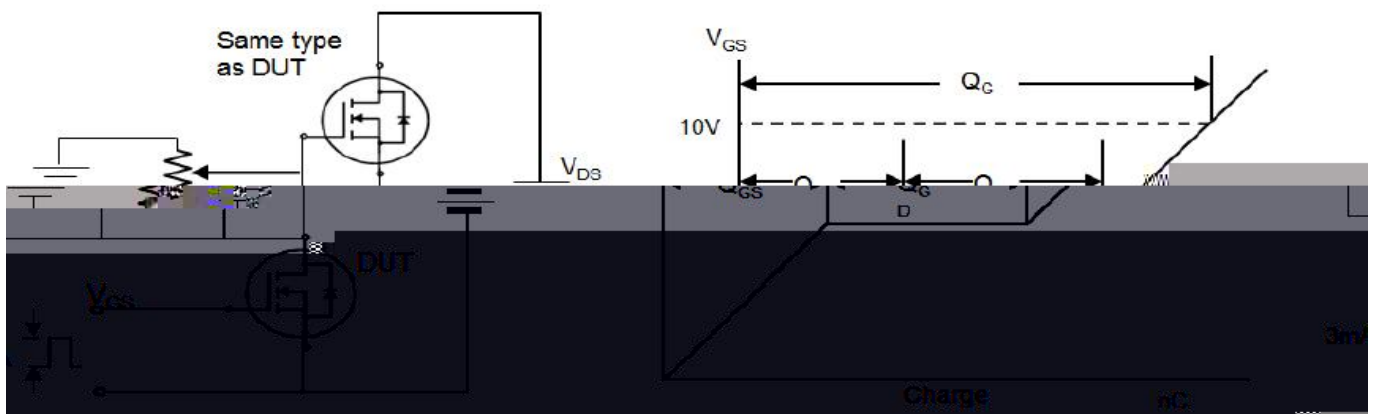
Avalanche Test Circuit



Switching Time Test Circuit



Gate Charge Test Circuit



Package Thickness	Volume mm ³ <350	Volume mm ³ 350

Package Thickness	Volume mm ³ <350	Volume mm ³ 350-2000	Volume mm ³ 2000

Reliability Test Program

Test item	Method	Description

Customer Service
