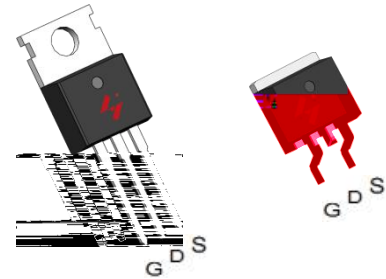




Feature

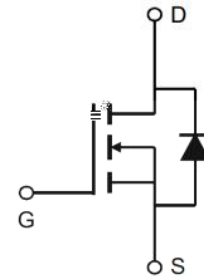
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Pin Description




Applications

-
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Ordering and Marking Information

	
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HYG065N15NS1P/B



Absolute Maximum Ratings

Symbol	Parameter	Rating	Unit
Common Ratings			
Mounted on Large Heat Sink			
θ			
θ			

Electrical Characteristics

Symbol	Parameter	Test Conditions	HYG065N15NS1			Unit
			Min	Typ.	Max	
Static Characteristics						

Diode Characteristics



HYG065N15NS1P/B



Electrical Characteristics (Cont.)

Symbol	Parameter	Test Conditions	HYG065N15NS1			Unit
			Min	Typ.	Max	
Dynamic Characteristics						
Gate Charge Characteristics						

Typical Operating Characteristics

Figure 1: Power Dissipation

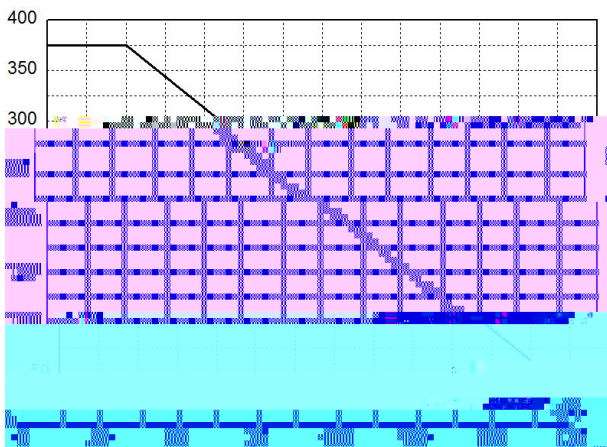


Figure 2: Drain Current

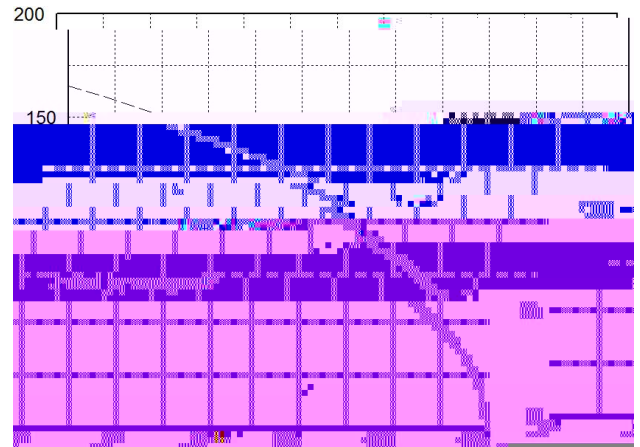


Figure 3: Safe Operation Area

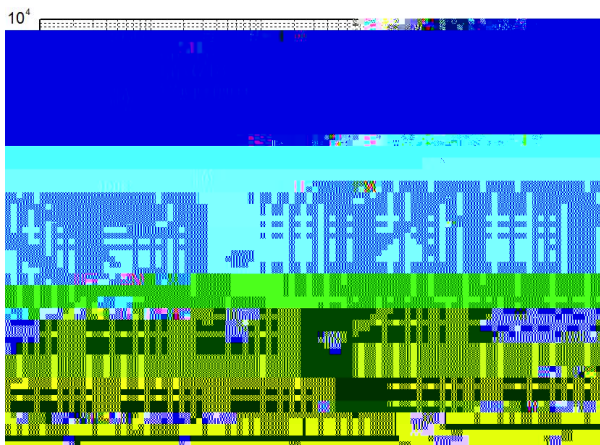


Figure 4: Thermal Transient Impedance

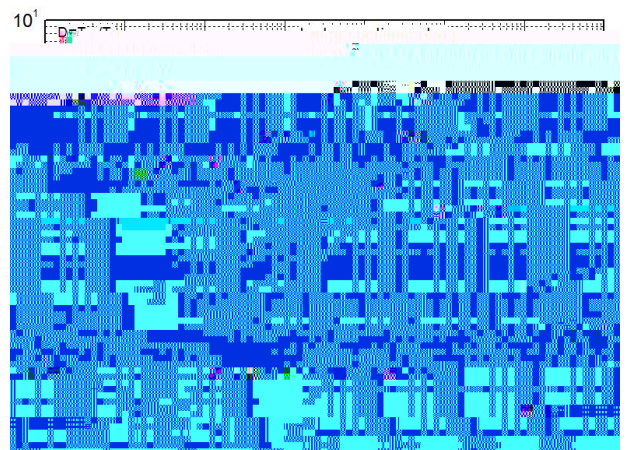


Figure 5: Output Characteristics

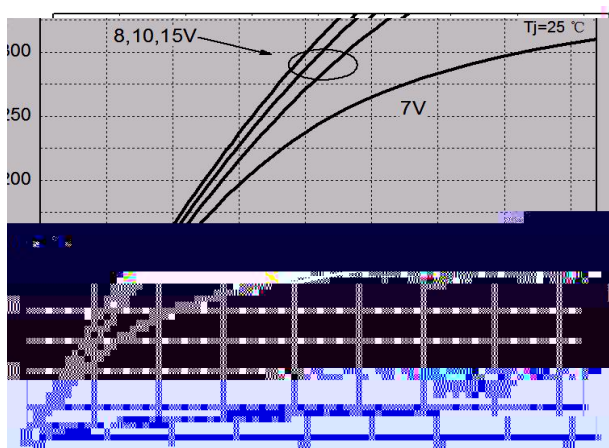
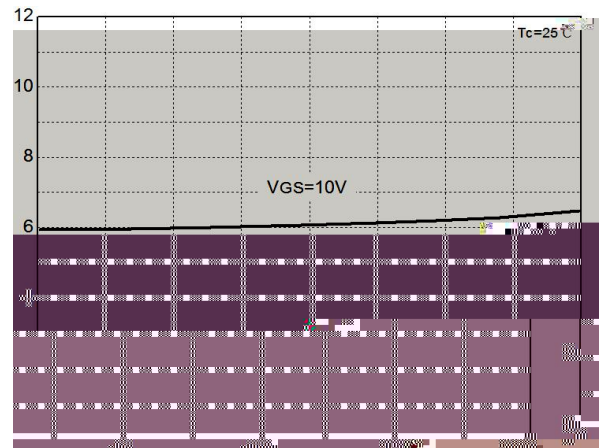


Figure 6: Drain-Source On Resistance



Typical Operating Characteristics(Cont.)

Figure 7: On-Resistance vs. Temperature

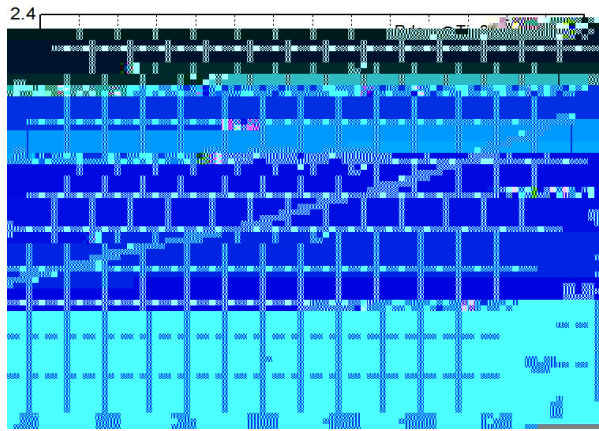


Figure 8: Source-Drain Diode Forward

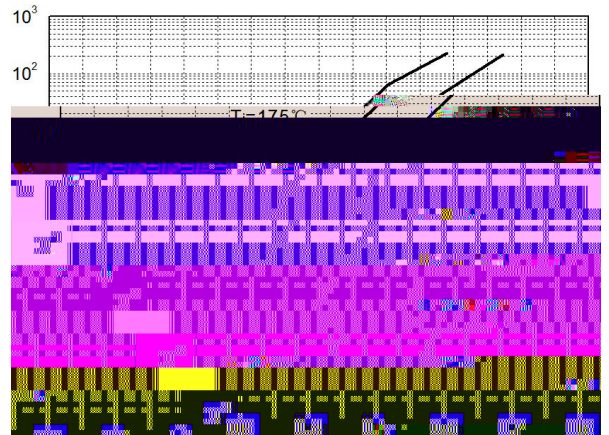


Figure 9: Capacitance Characteristics

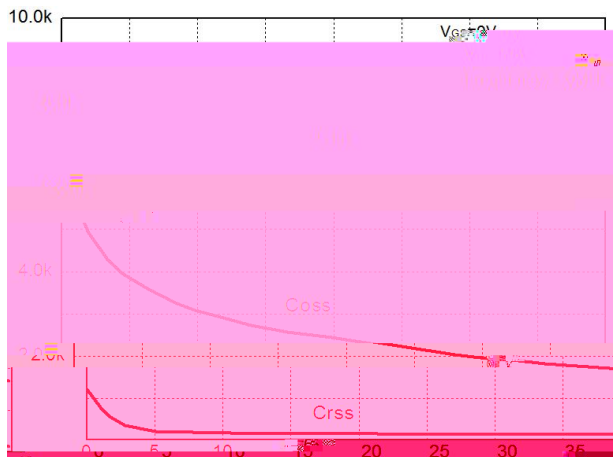
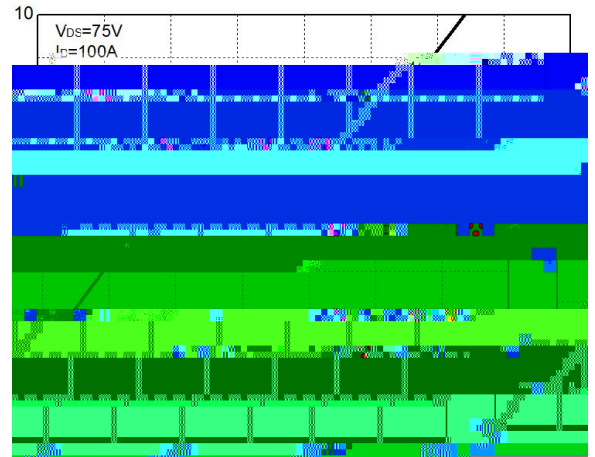
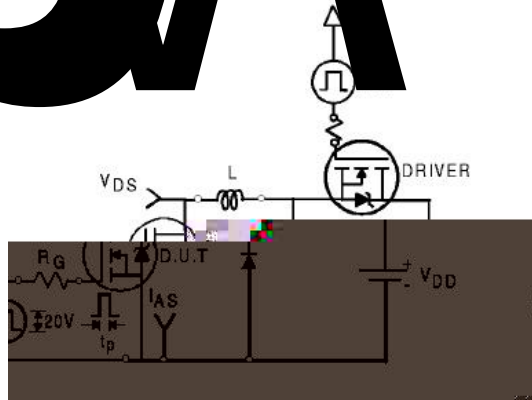
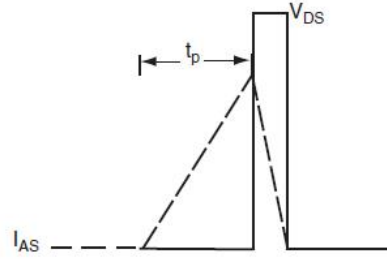


Figure 10: Gate Charge Characteristics





$$E_{AS} = \frac{1}{2} L I_{AS}^2$$



Package Thickness	Volume mm <350	Volume mm 350

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

Reliability Test Program

Test item	Method	Description

Customer Service
