



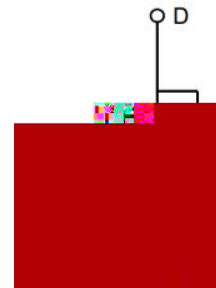
Feature

Pin Description

-
-
-
-

Applications

-
-
-



Ordering and Marking Information

HYG072N10LS1C2



Absolute Maximum Ratings

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

Electrical Characteristics

Symbol Parameter Tes



HYG072N10LS1C2



Electrical Characteristics (Cont.)

Symbol	Parameter	Test Conditions	HYG072N10LS1			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

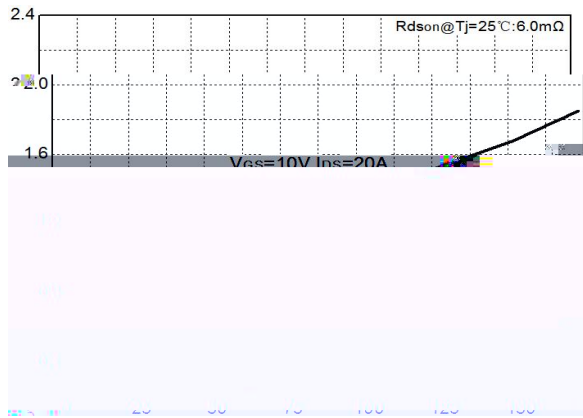


Figure 8: Source-Drain Diode Forward

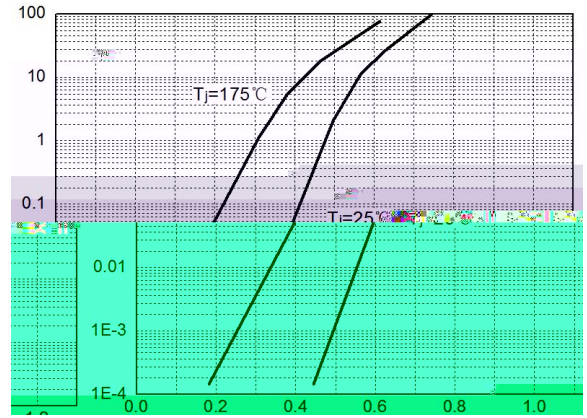


Figure 9: Capacitance Characteristics

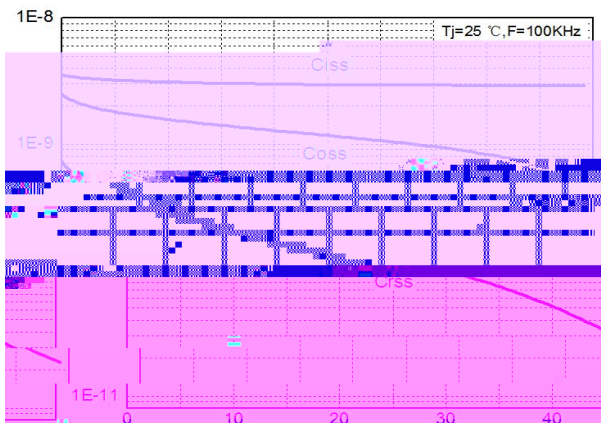
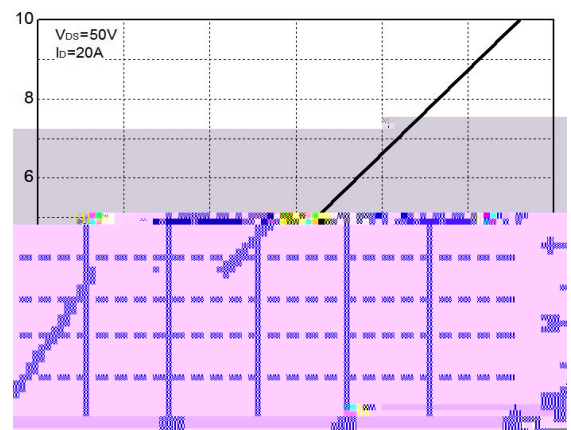
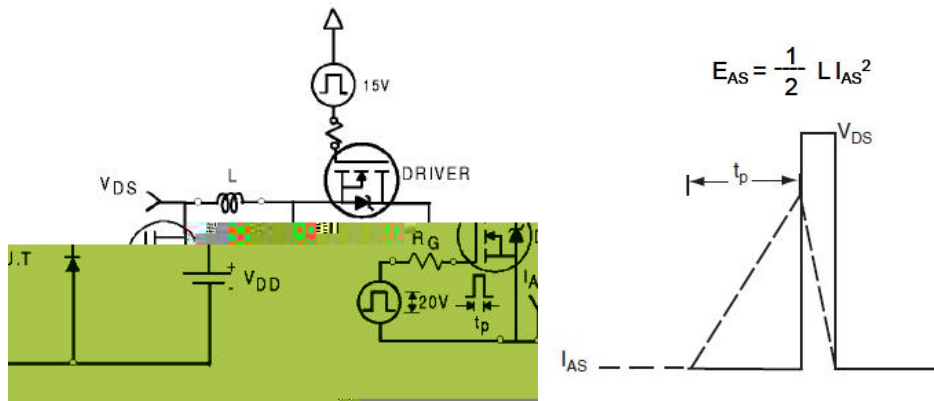


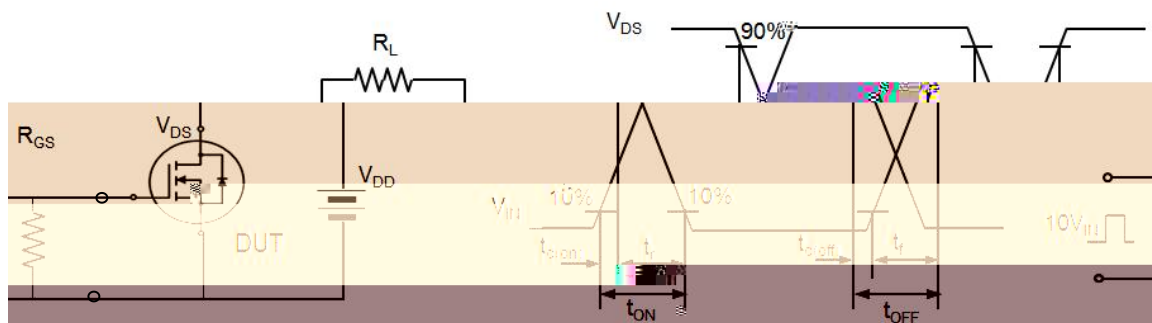
Figure 10: Gate Charge Characteristics



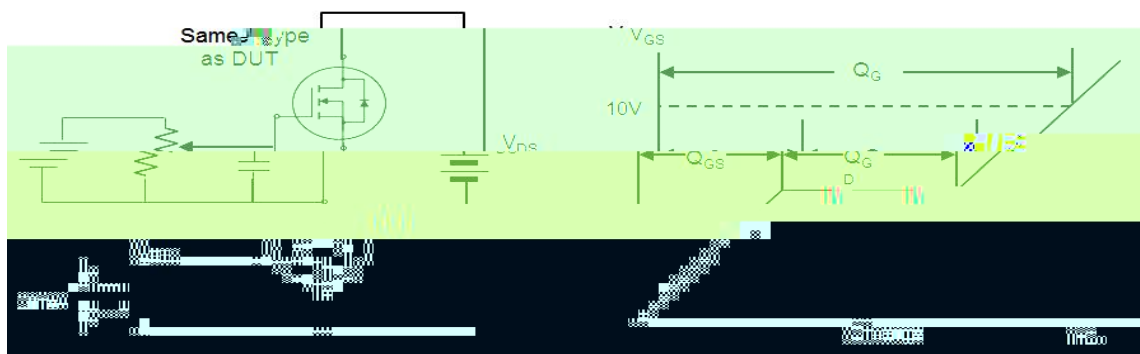
Avalanche Test Circuit and Waveforms



Switching Time Test Circuit and Waveforms



Gate Charge Test Circuit and Waveforms



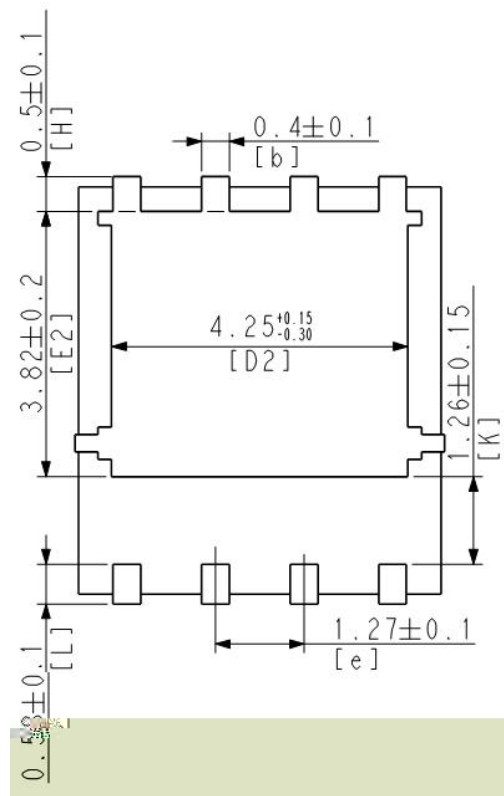
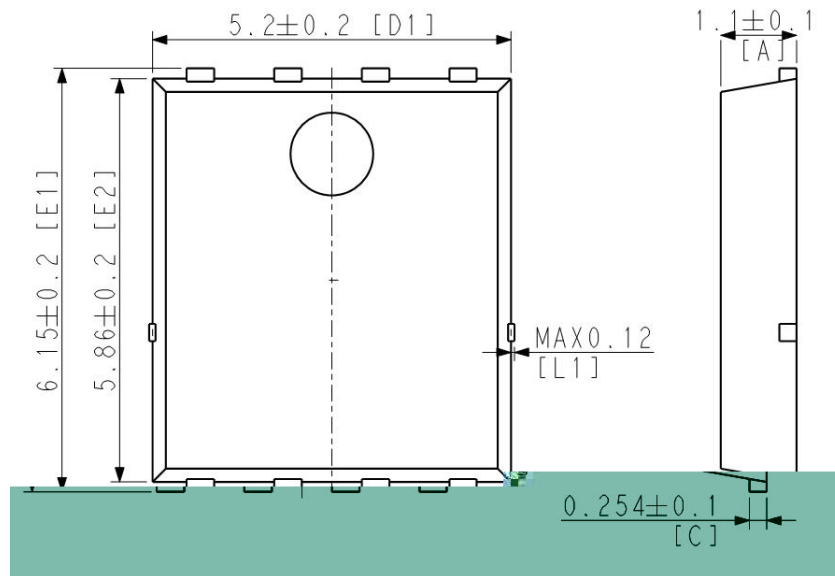
HYG072N10LS1C2

Device Per Unit

Package Type	Unit	Quantity

Package Information

PPAK5*6-8L



G072N

Volume mm
350

Thickness

<350

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

Reliability Test Program

Test item	Method	Description

Customer Service

Web net: www.hymexa.com