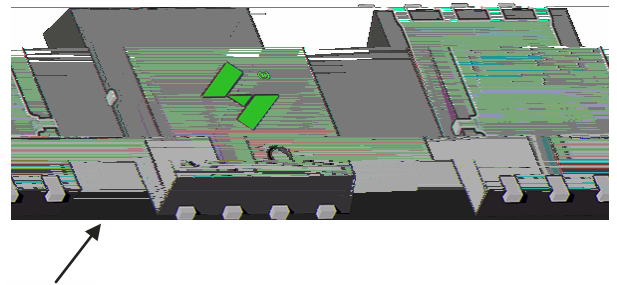




Feature Description

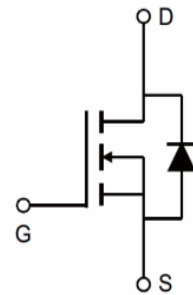
,
Ω
Ω
,
,
,

Pin Description




Applications

,
,
,



Ordering and Marking Information

	
---	--

Absolute Maximum Ratings

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

x

Electrical Characteristics

Symbol	Parameter	Test Conditions	HYG015N03LR1			Unit
			Min	Typ.	Max	

Static Characteristics

Typical Operating Characteristics

Figure 1: Power Dissipation

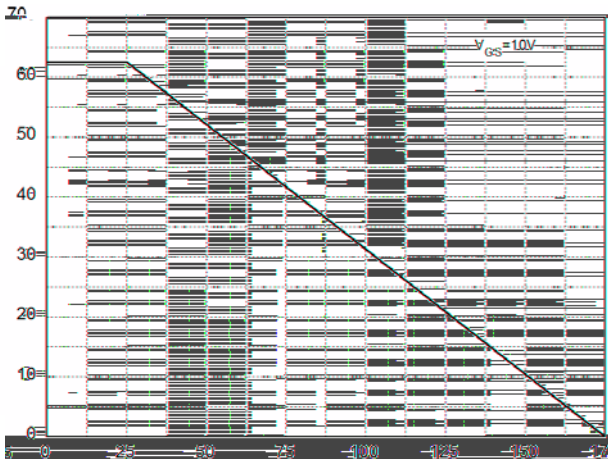


Figure 2: Drain Current

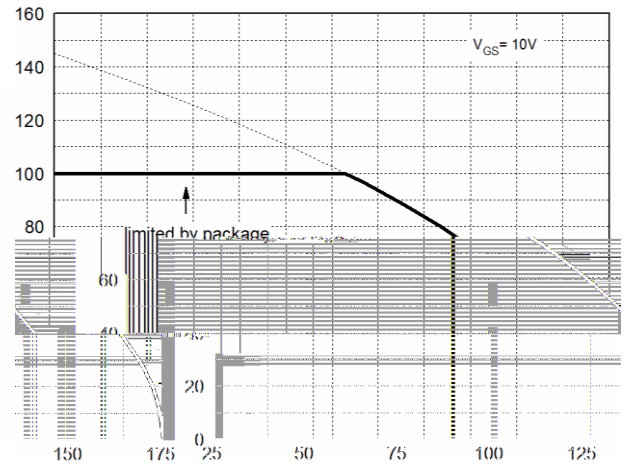


Figure 3: Safe Operation Area

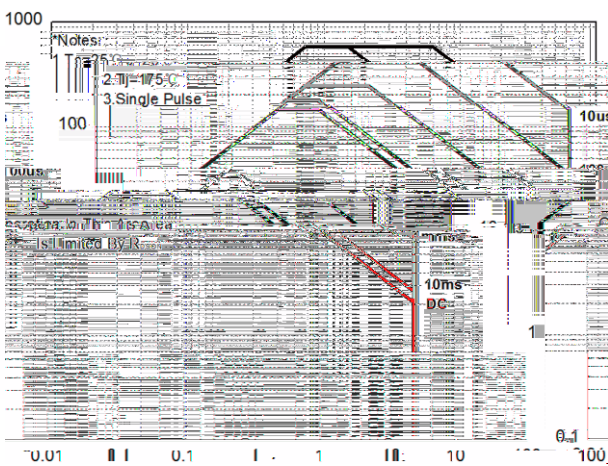


Figure 4: Thermal Transient Impedance

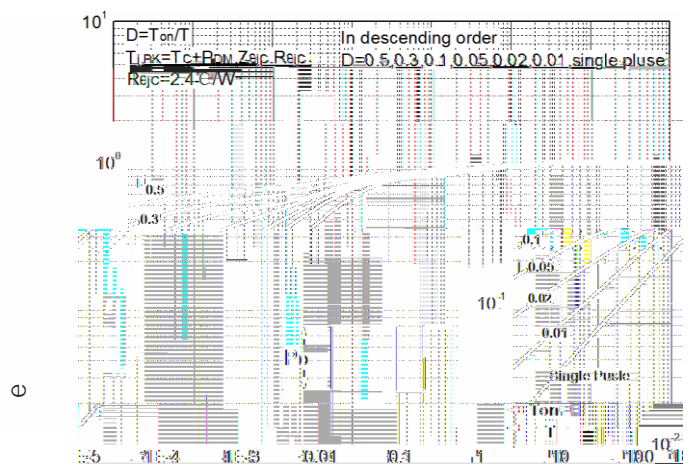


Figure 5: Output Characteristics

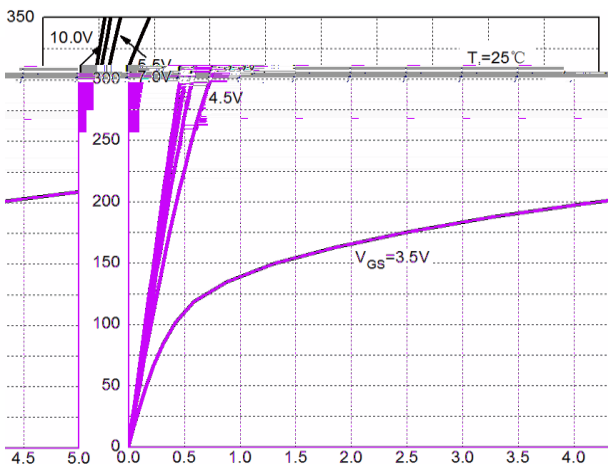
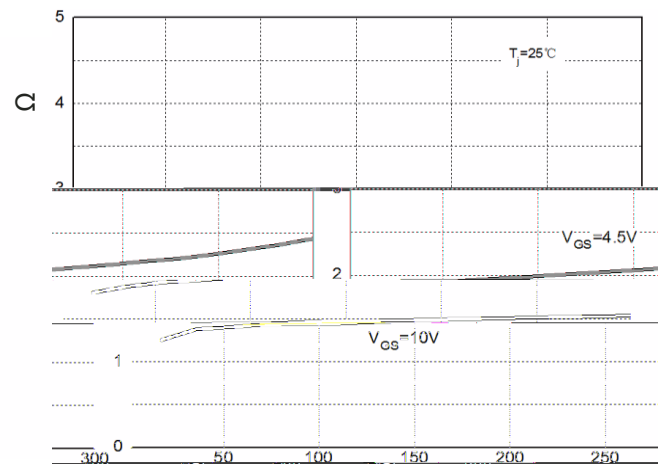


Figure 6: Drain-Source On Resistance



Typical Operating Characteristics(Cont.)

Figure 7: On-Resistance vs. Temperature

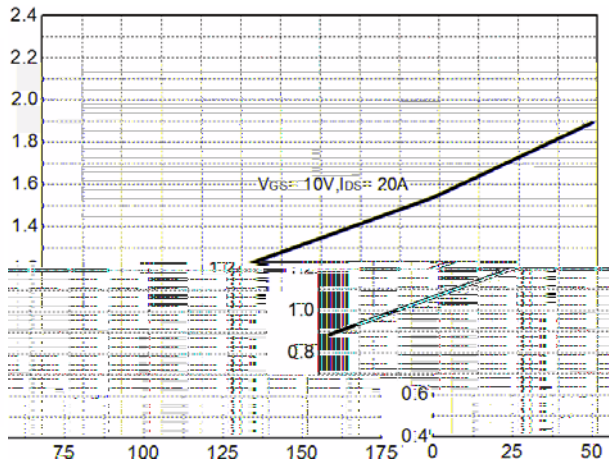


Figure 8: Source-Drain Diode Forward

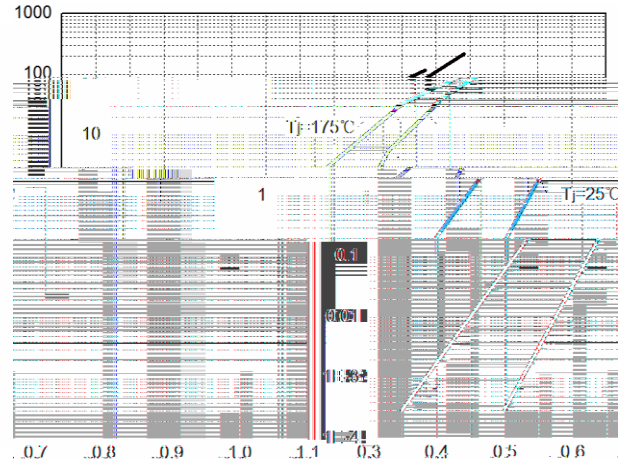


Figure 9: Capacitance Characteristics

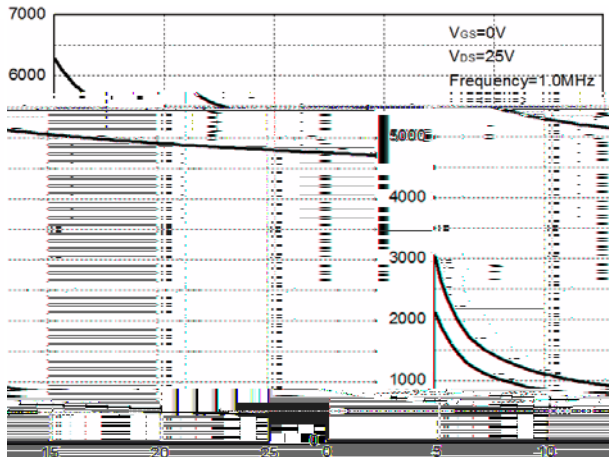
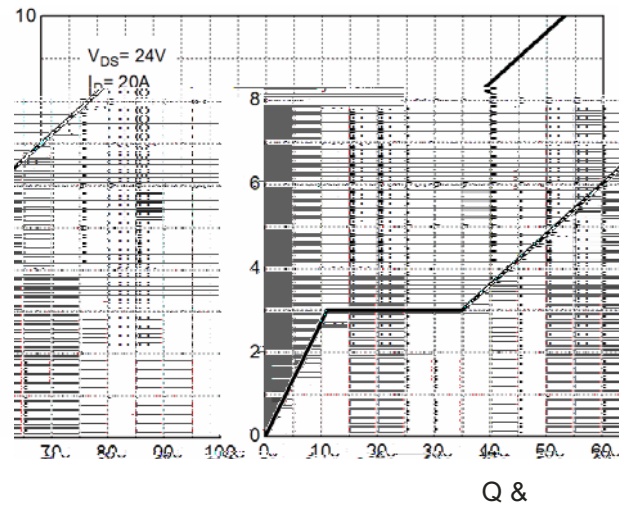
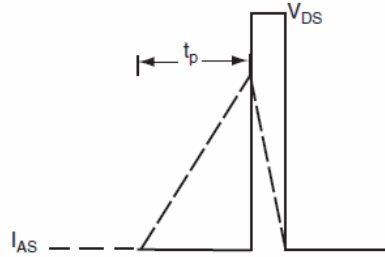


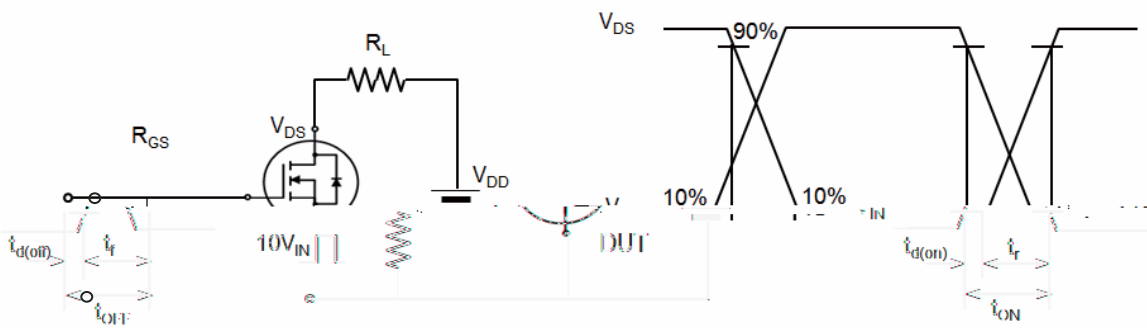
Figure 10: Gate Charge Characteristics



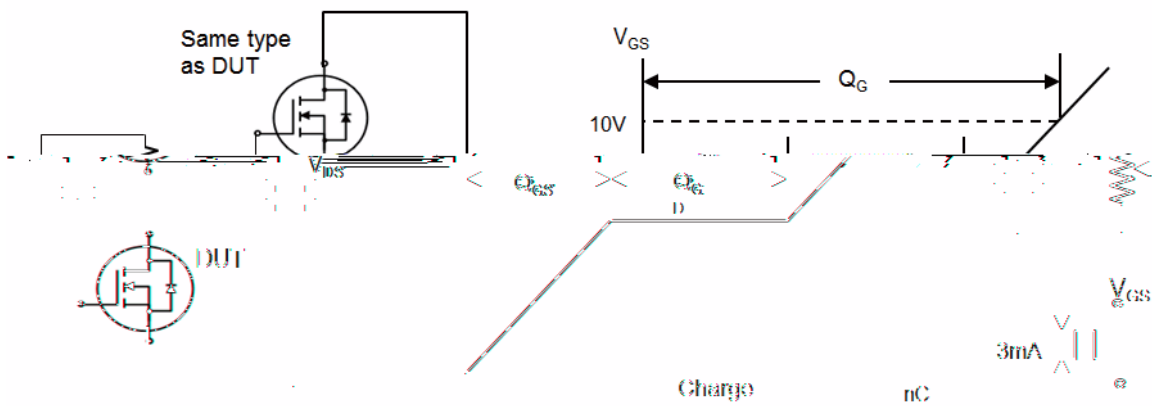
Avalanche Test Circuit



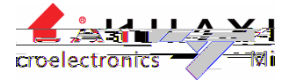
Switching Time Test Circuit



Gate Charge Test Circuit



HYG015N03LR1C2



Device Per Unit

Package Type	Unit	Quantity

Package Information

PPAK5*6-8L



Package Thickness	Volume mm ³ <350	Volume mm ³ 1 350
∅		
≥		

Package Thickness	Volume mm ³ <350	Volume mm ³ 350-2000	Volume mm ³ 1 2000
1			

Reliability Test Program

Test item	Method	Description

Customer Service