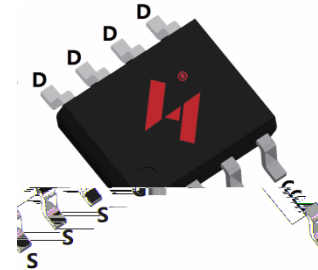




FeatureDescription

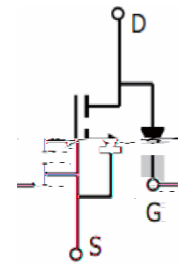
- Ω
- Ω
-
-
-

Pin Description




Applications

-
-
-



Ordering and Marking Information

	
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HYG260P03LR1S



Absolute Maximum Ratings

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

Ω

Electrical Characteristics

Symbol	Parameter	Test Conditions	HYG260P03LR1			Unit
			Min	Typ.	Max	
Static Characteristics						
						μ
						μ
		w				

HYG260P03LR1S



Electrical Characteristics (Cont.)

Symbol

Parameter

Typical Operating Characteristics

Figure 1: Power Dissipation

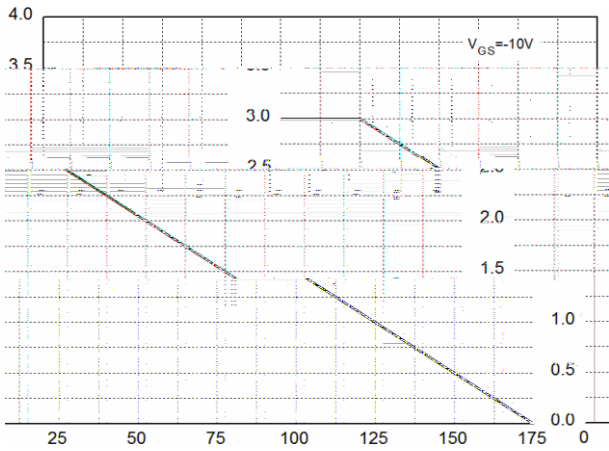


Figure 2: Drain Current

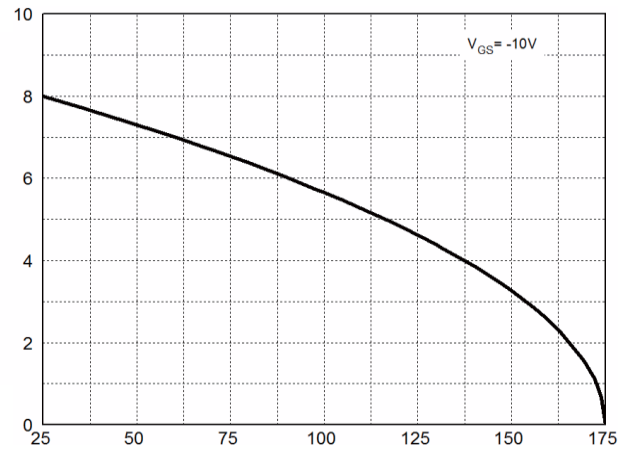


Figure 3: Safe Operation Area

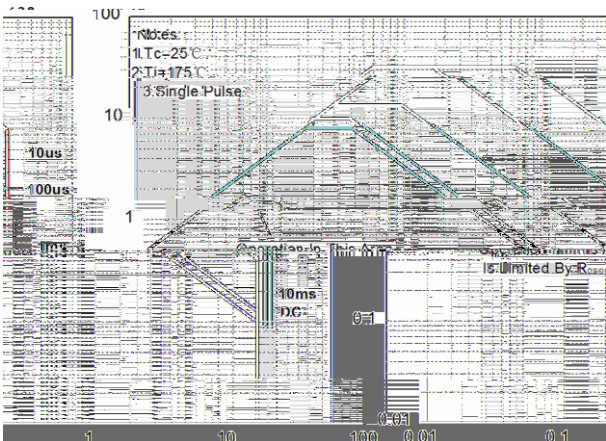


Figure 4: Thermal Transient Impedance

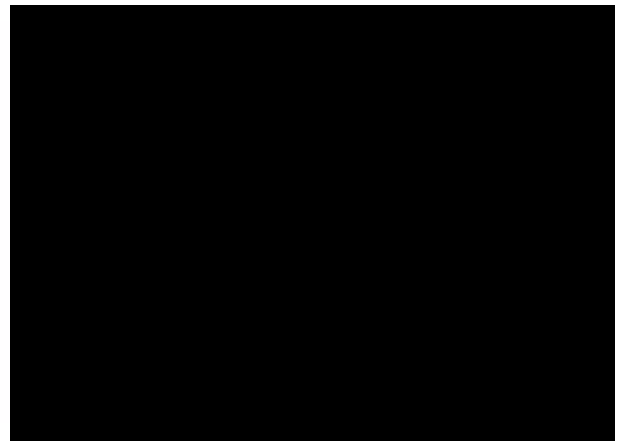


Figure 5: Output Characteristics

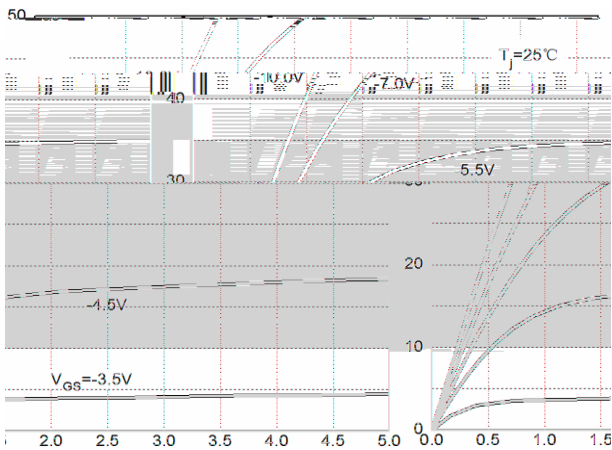
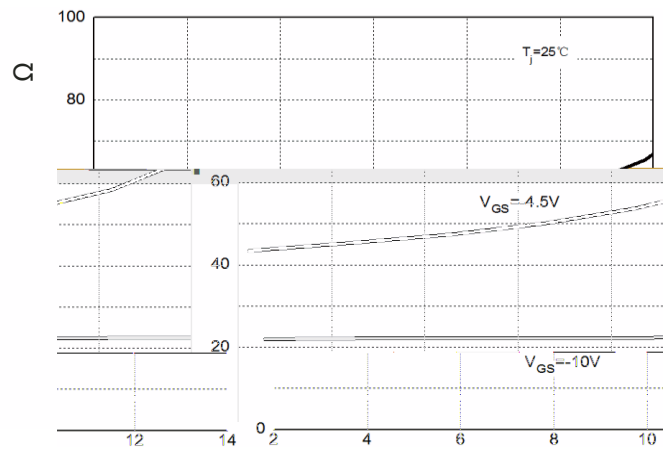


Figure 6: Drain-Source On Resistance



Typical Operating Characteristics(Cont.)

Figure 7: On-Resistance vs. Temperature

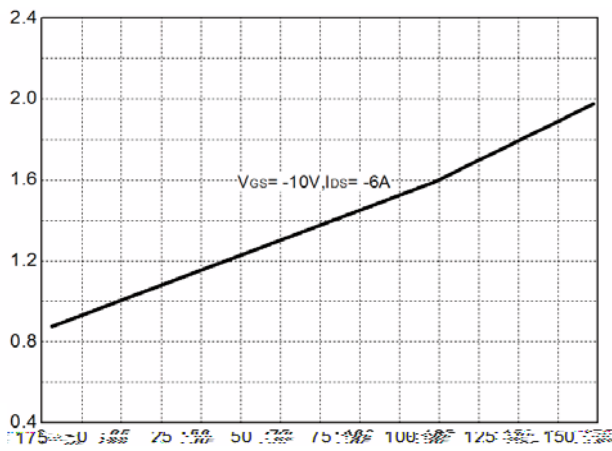


Figure 8: Source-Drain Diode Forward

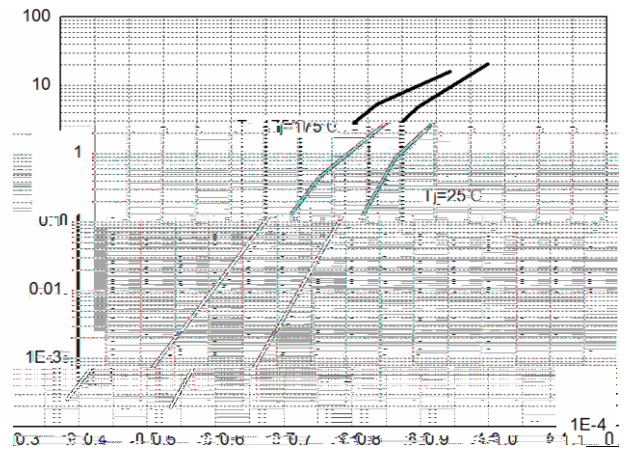


Figure 9: Capacitance Characteristics

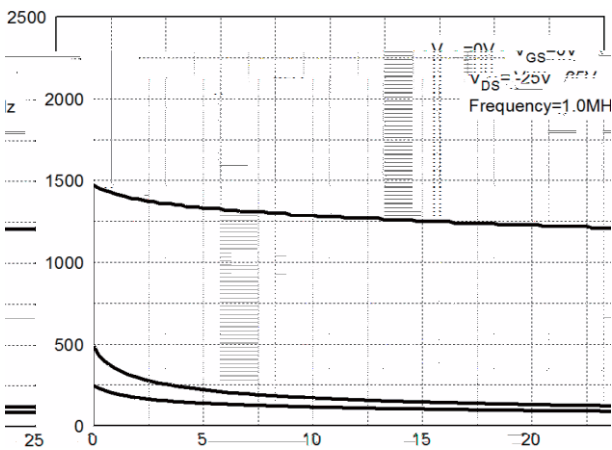
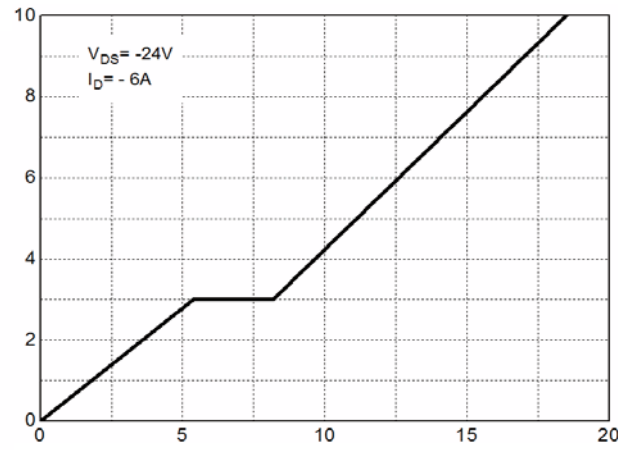
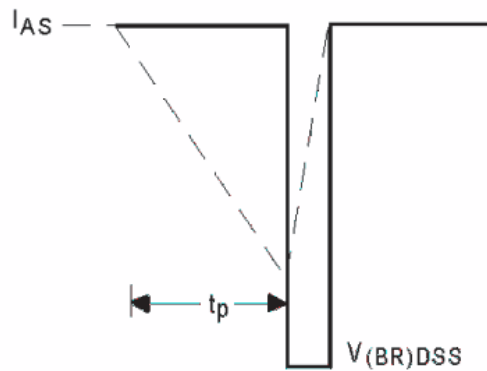
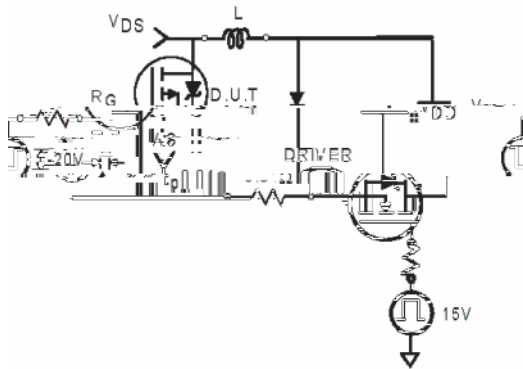


Figure 10: Gate Charge Characteristics

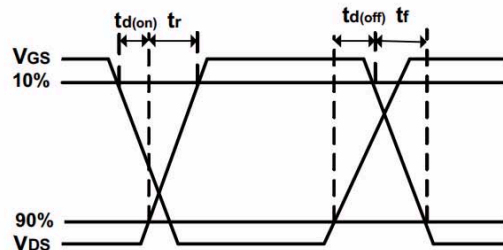
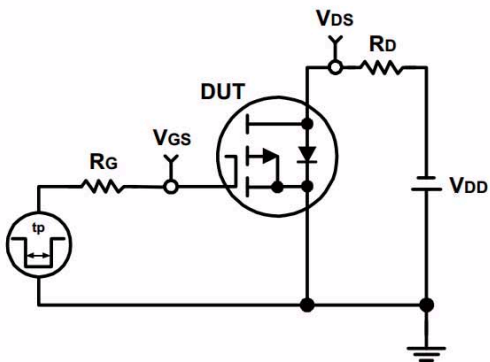


b7

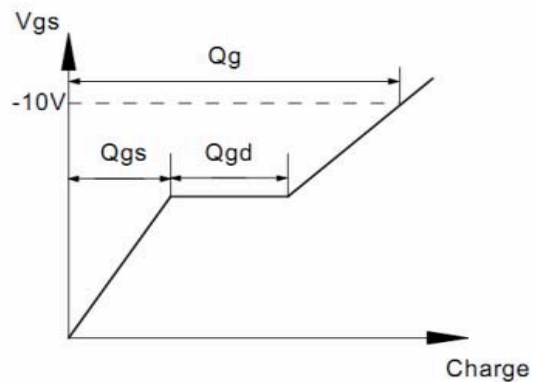
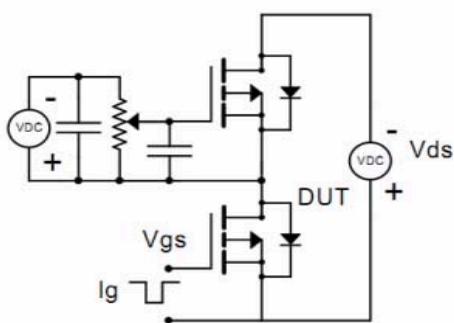
Avalanche Test Circuit



Switching Time Test Circuit



Gate Charge Test Circuit



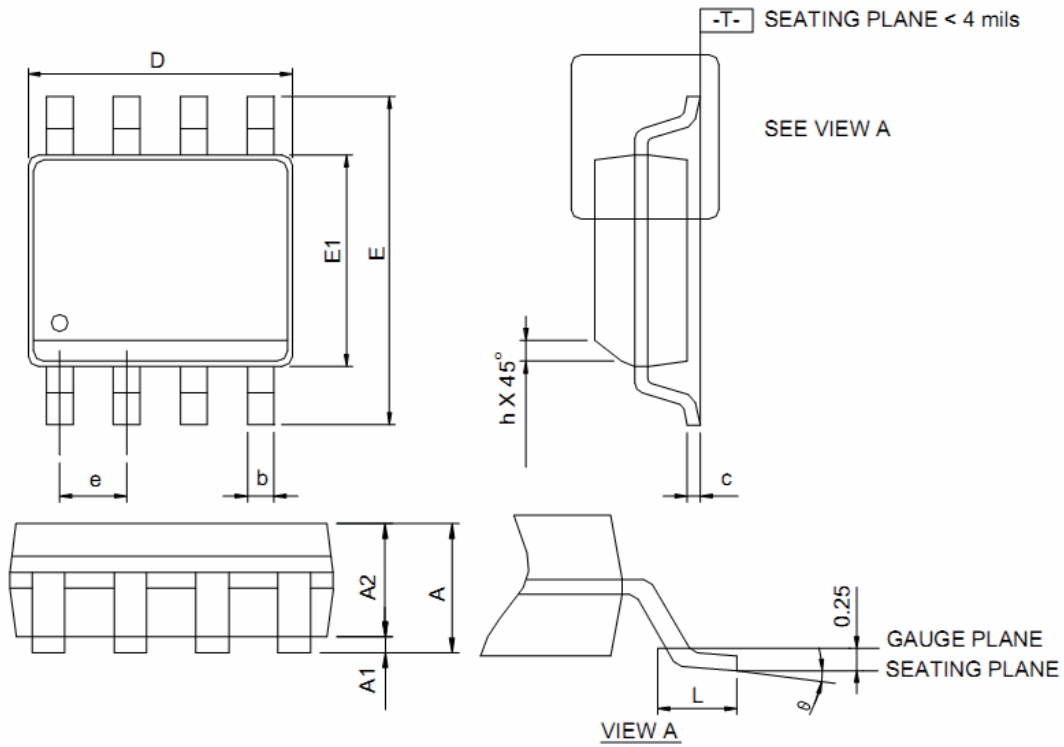
HYG260P03LR1S

Device Per Unit

Package Type	Unit	Quantity

Package Information

SOP-8L

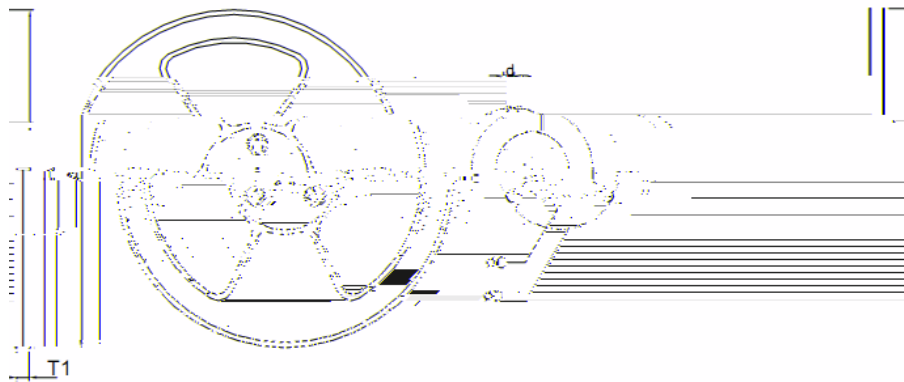
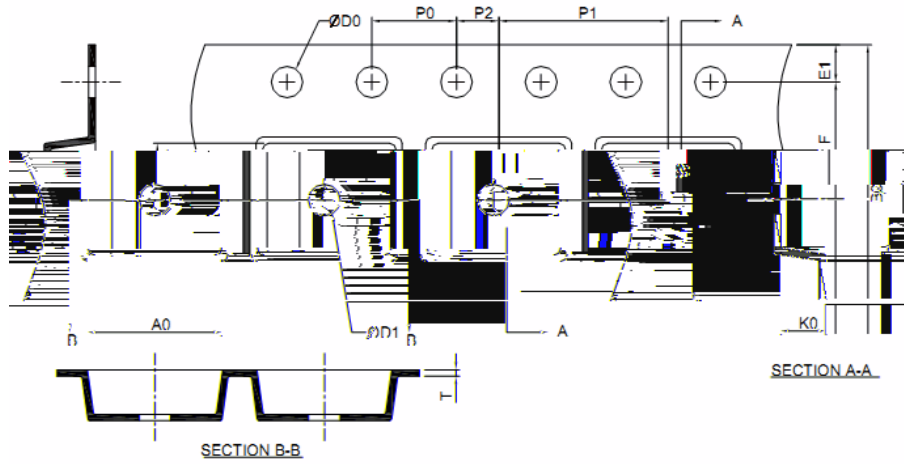


DIMENSION	MILLIMETERS				INCHES			
	MIN.		MAX.		MIN.		MAX.	
	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.
A	0.10	0.25	0.064	0.010	1.27	-	0.049	-
A1	0.31	0.51	0.012	0.020	0.17	0.25	0.007	0.010
A2	4.80	5.00	0.189	0.197	-	-	-	-
E	5.80	6.20	0.228	0.244	-	-	-	-
E1	3.80	4.00	0.150	0.157	-	-	-	-

HYG260P03LR1S



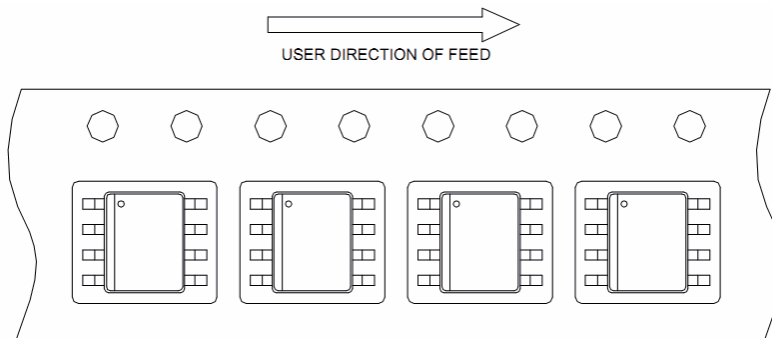
Carrier Tape & Reel Dimensions



Application	A	H	T1	C	d	D	W	E1	F
	330.0 2.00	50 MIN.	12.4+2.00 -0.00	13.0+0.50 -0.20	1.5 MIN.	20.2 MIN.	12.0 0.30	1.75 0.10	5.5 0.05
SOP-8L	P0	P1	P2	ØD0	ØD1	T1	A0	P0	K0
2.10 ±0.20		4.0 ±0.10	8.0 ±0.10	2.0 ±0.05	1.5+0.10 -0.00	1.5 MIN.	0.6+0.00 -0.40	6.40 ±0.20	5.20 ±0.20

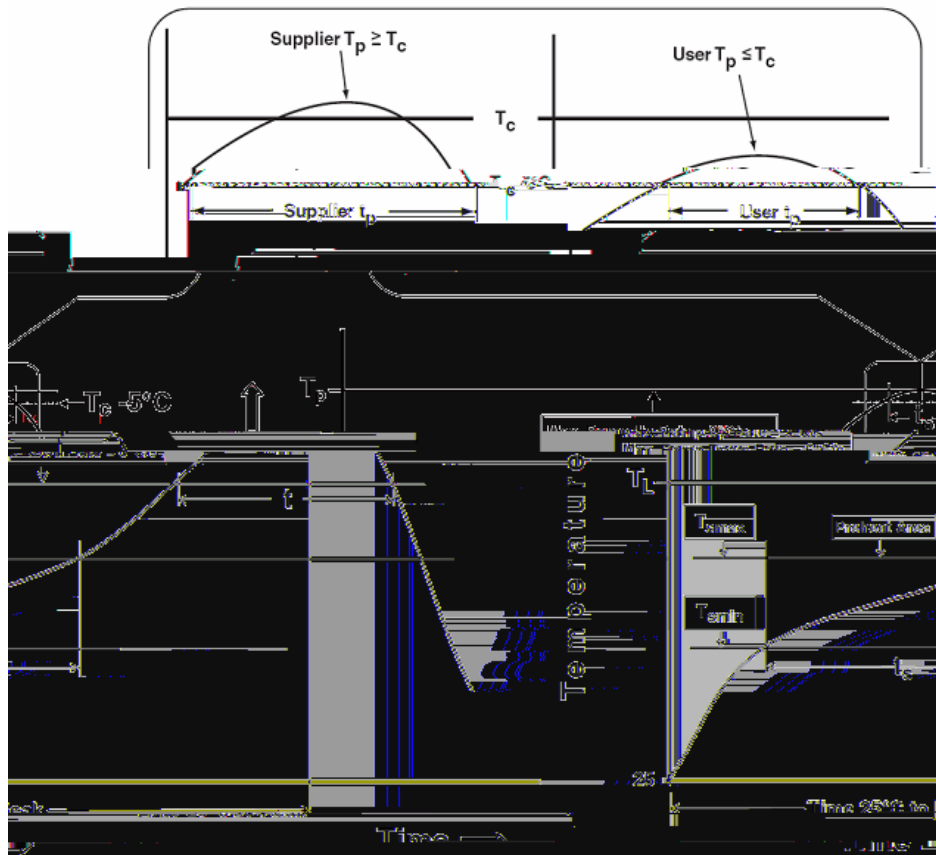
(mm)

Taping Direction Information



HYG260P03LR1S

Classification Profile



HYG260P03LR1S



Classification Reflow Profiles

Profile Feature	Sn-Pb Eutectic Assembly	Pb-Free Assembly
Preheat & Soak		

Package Thickness	Volume mm <350	Volume mm 350



Customer Service