



## Description

## Package Marking and Ordering Information

| Device Marking | Device | OUTLINE | Device Package | Reel Size | Reel (PCS) | Per Carto |
|----------------|--------|---------|----------------|-----------|------------|-----------|
|----------------|--------|---------|----------------|-----------|------------|-----------|





## P-Channel Electrical Characteristics

| Symbol             | Parameter | Test Condition | Min. | Typ. | Max. | Units |
|--------------------|-----------|----------------|------|------|------|-------|
| Off Characteristic |           |                |      |      |      |       |

### On Characteristics



## Typical Performance Characteristics-N

Figure 1:

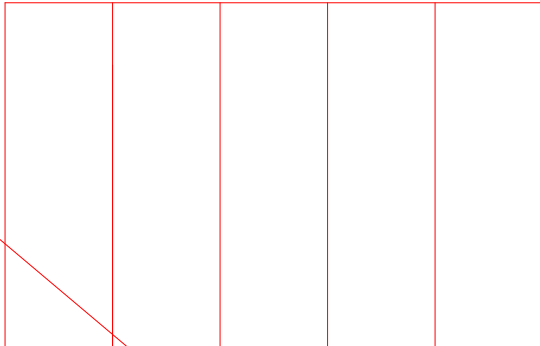


Figure 2:

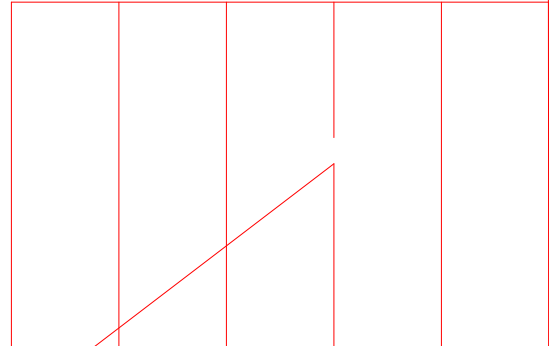


Figure 3:

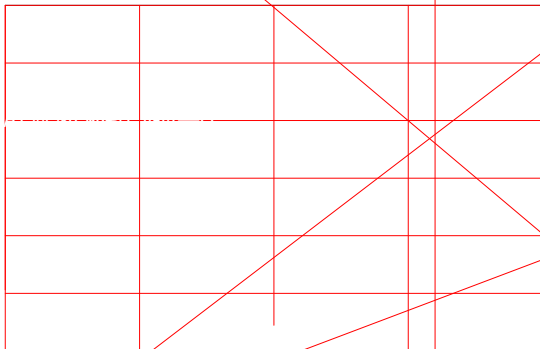


Figure 4

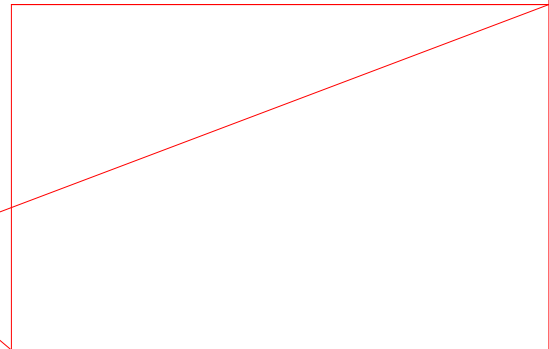
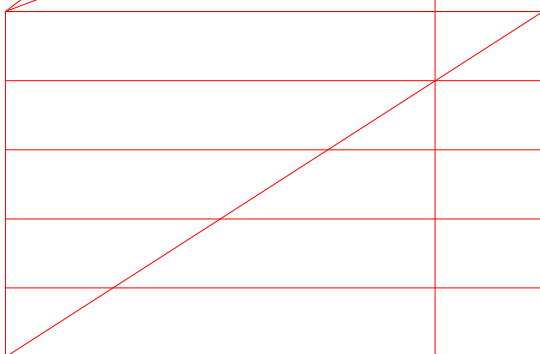
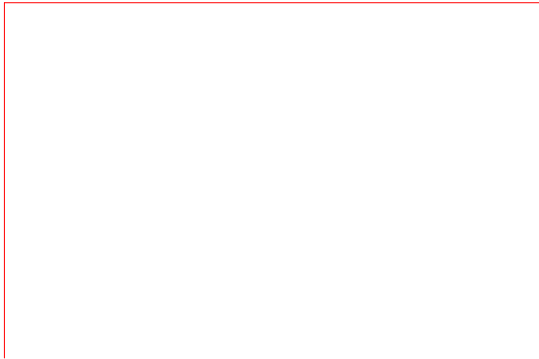


Figure 5:

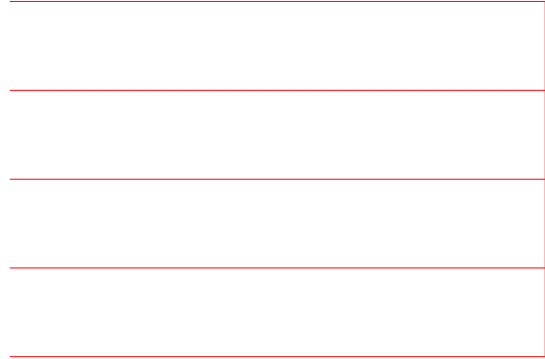




**Figure 7:**



**Figure 8:**



**Figure 9:**

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**Typical Performance Characteristics-P**

Figure 7:

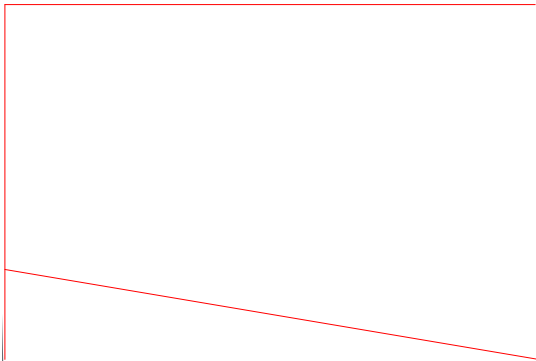


Figure 8:

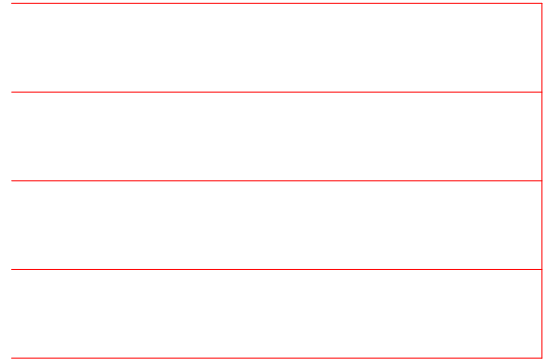


Figure 9:



Figure 10:

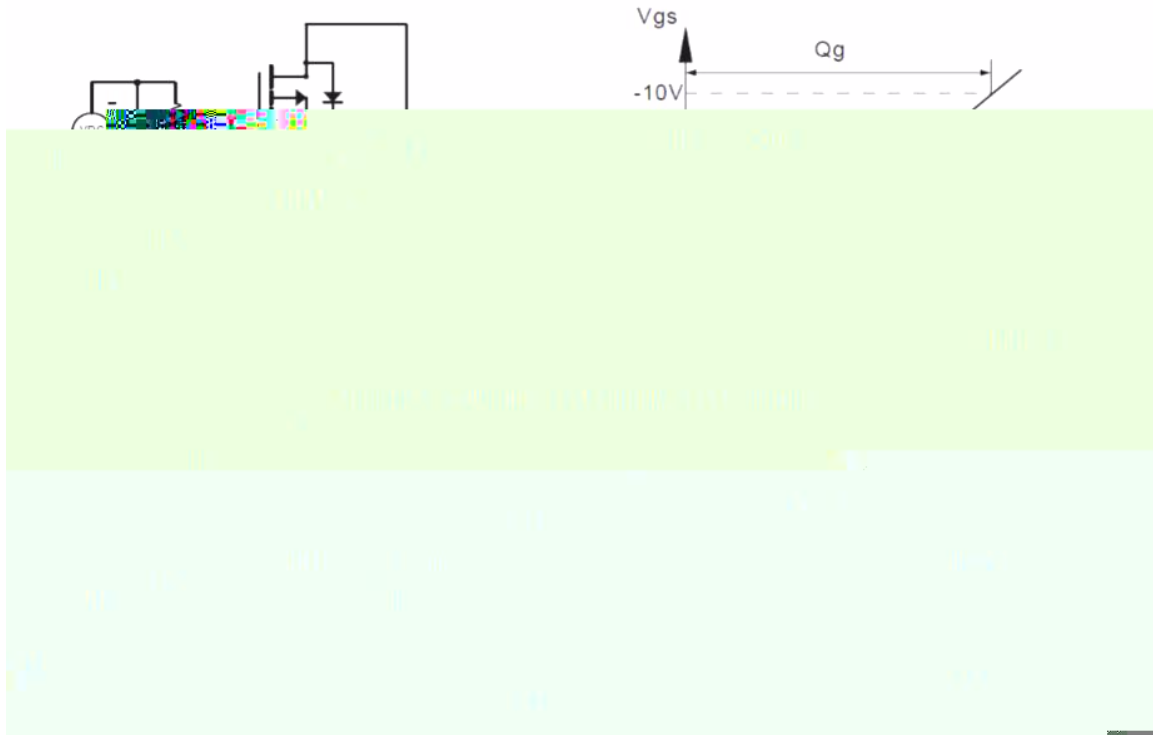
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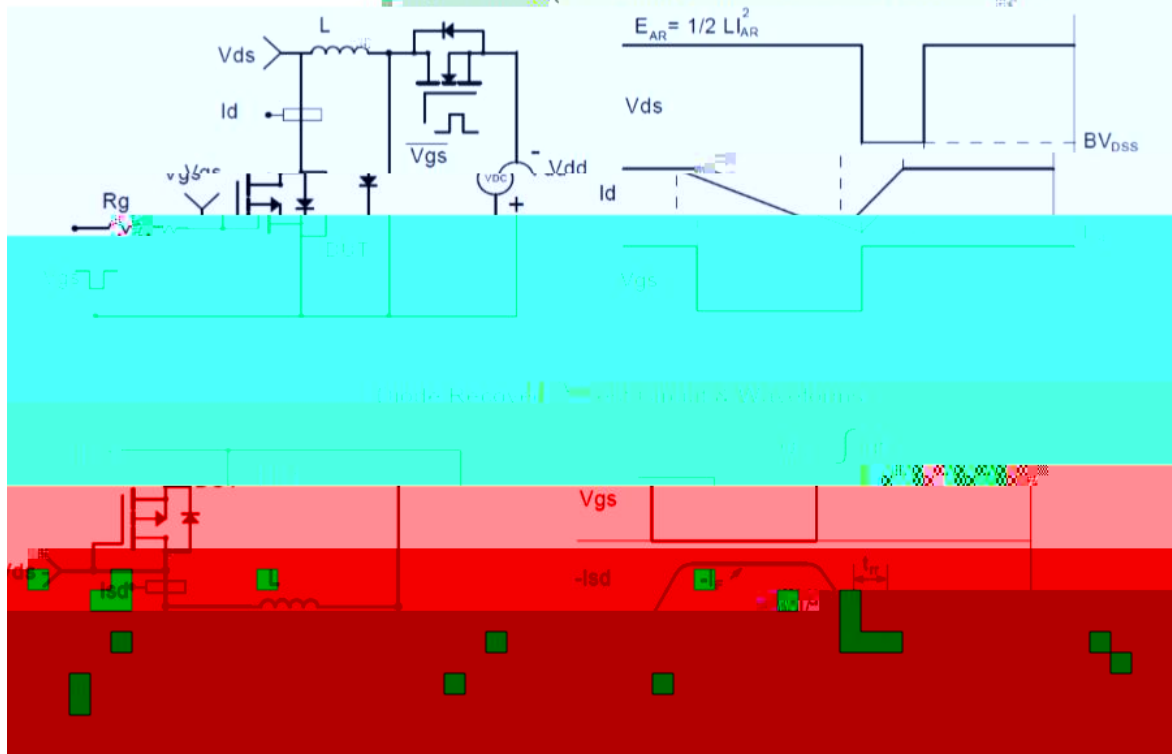
H A

## Test Circuit-P

Gate Charge Test Circuit & Waveform

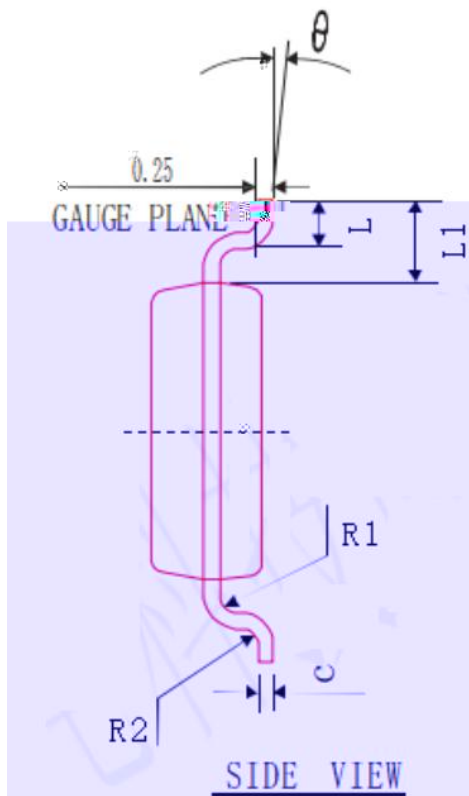
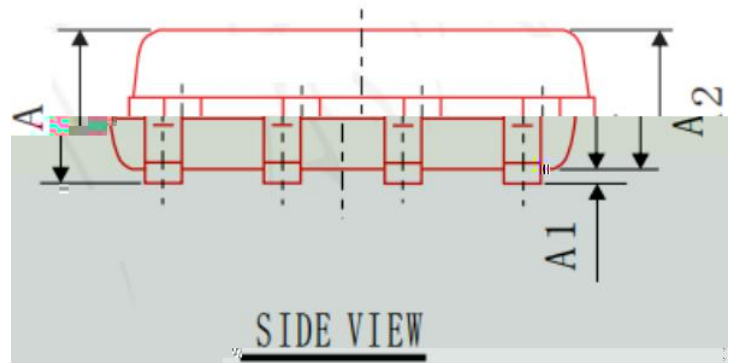
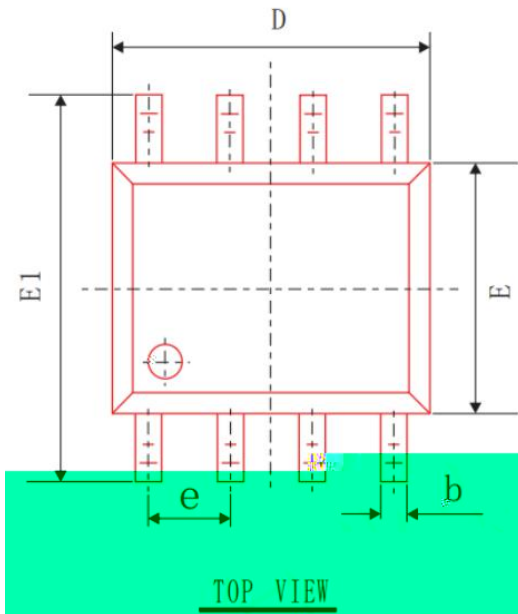


Unclamped Inductive Switching (UIS) Test Circuit & Waveforms





## Package Mechanical Data-SOP-8



| SYMBOL   | MIN      | NOM   | MAX   |
|----------|----------|-------|-------|
| A        | 1.40     | 1.60  | 1.80  |
| A1       | 0.05     | 0.15  | 0.25  |
| A2       | 1.35     | 1.45  | 1.55  |
| b        | 0.30     | 0.40  | 0.50  |
| C        | 0.153    | 0.203 | 0.253 |
| L        | 4.80     | 4.90  | 5.00  |
| E        | 3.80     | 3.90  | 4.00  |
| E1       | 5.80     | 6.00  | 6.20  |
| L        | 0.45     | 0.70  | 1.00  |
| $\theta$ | 2°       | 4°    | 6°    |
| L1       | 1.04 REF |       |       |
| e        | 1.27 BSC |       |       |
| R1       | 0.07 TYP |       |       |
| R2       | 0.07 TYP |       |       |

