

## 5.5V-100V Vin, 4A Peak Current Limit, High Efficiency Asynchronous Step-down DCDC Converter with a 200mA LDO Integrated

## FEATURES

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APPLICANT: ~~SM~~ CID: ~~245~~ BDC: ~~0000~~ TF5: ~~TF5~~ TF3: ~~TF3~~ N:

REVISION HISTORY

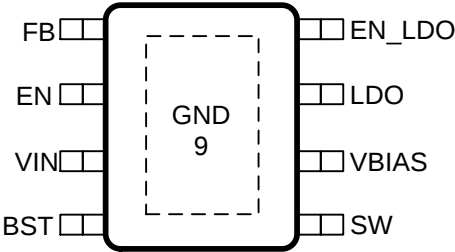
DEVICE ORDER INFORMATION

|                    |                 |                       |                   |     |                    |     |
|--------------------|-----------------|-----------------------|-------------------|-----|--------------------|-----|
| G = 9: D=<br>=NA = | H9 C9 Å<br>LQH= | KL9 F 9<br>H9 C I L Q | H9 C9 =<br>E9 C Å | HÅK | H9 C9 =<br>=K ÅLÅF | EKD |
|                    |                 |                       |                   |     |                    |     |

ABSOLUTE MAXIMUM RATINGS

|         |     |     |     |
|---------|-----|-----|-----|
| =K ÅLÅF | E Å | E9P | MFA |
|         |     |     |     |
|         |     |     |     |
|         |     |     |     |

PIN CONFIGURATION



>a\_m ) 0% Y HdKla =%GH

|  |  |                |
|--|--|----------------|
|  |  |                |
|  |  |                |
|  |  | a)<br>b)<br>c) |
|  |  |                |

## RECOMMENDED OPERATING CONDITIONS

| H <sub>9</sub> 9 E=L= | => $\Delta \Delta \Delta F$ | E $\Delta$ | E9P | MFA |
|-----------------------|-----------------------------|------------|-----|-----|
|                       |                             |            |     |     |
|                       |                             |            |     |     |
|                       |                             |            |     |     |

## ESD RATINGS

| H <sub>9</sub> 9 E=L= | => $\Delta \Delta \Delta F$ | E $\Delta$ | E9P | MFA |
|-----------------------|-----------------------------|------------|-----|-----|
|                       |                             |            |     |     |
|                       |                             |            |     |     |

(1)  
(2)

## THERMAL INFORMATION

| H <sub>9</sub> 9 E=L= | L = E9DE=L A | =KGH% <sub>0</sub> D | MFA |
|-----------------------|--------------|----------------------|-----|
|                       |              |                      |     |
|                       |              |                      |     |

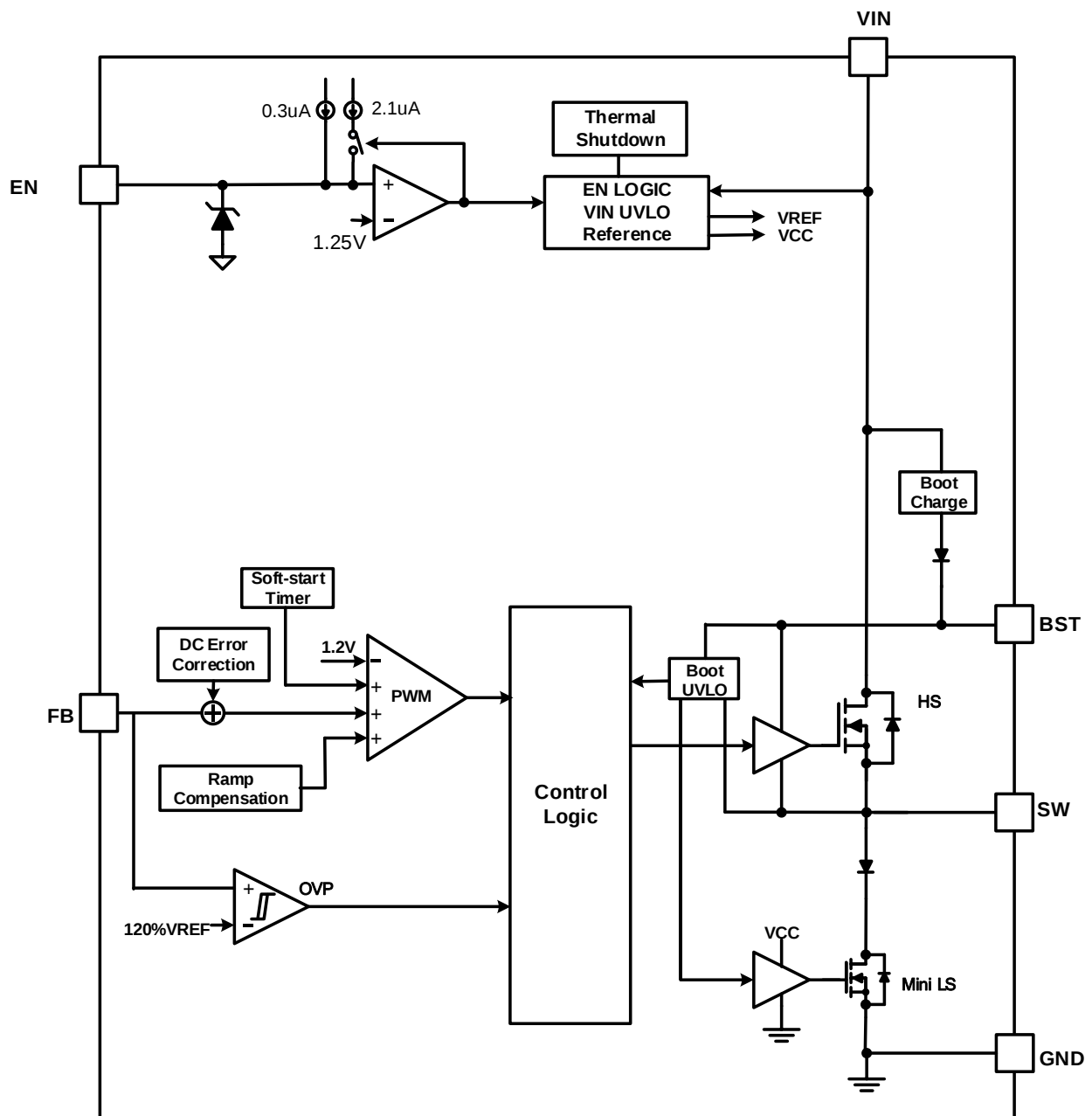
## ELECTRICAL CHARACTERISTICS

|          |           |              |             |     |
|----------|-----------|--------------|-------------|-----|
| KQE : GD | H9 9 E=L= | L=KL GF A GF | E A LQH E9P | MFA |
|----------|-----------|--------------|-------------|-----|

Hgo Kmhd

## TYPICAL CHARACTERISTICS

## FUNCTIONAL BLOCK DIAGRAM

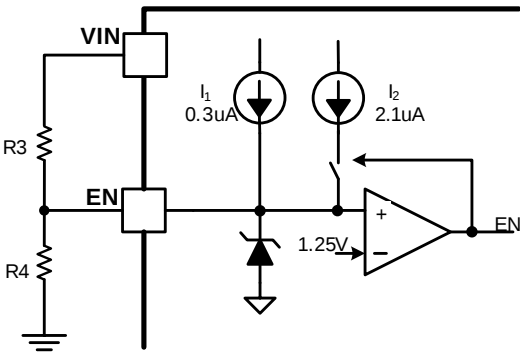


## OPERATION

Gn na o

gfklyfl Gf %æ Eg gfl gd

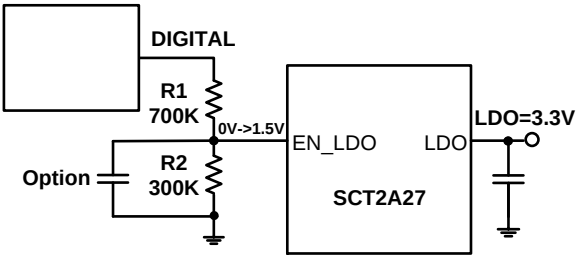
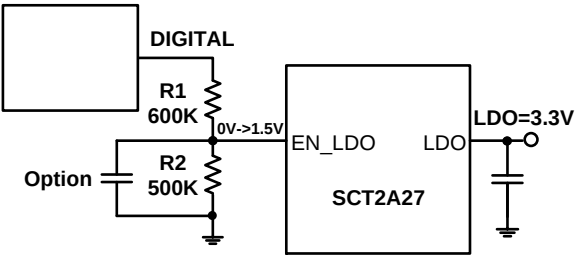
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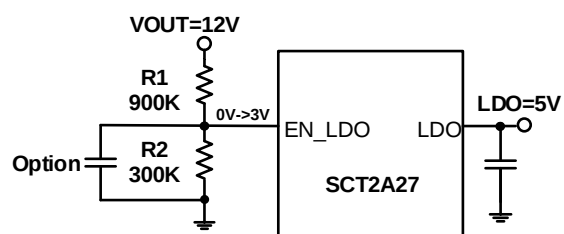
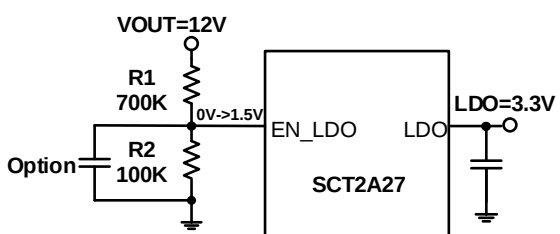
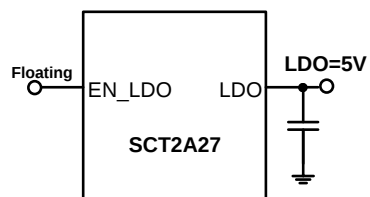
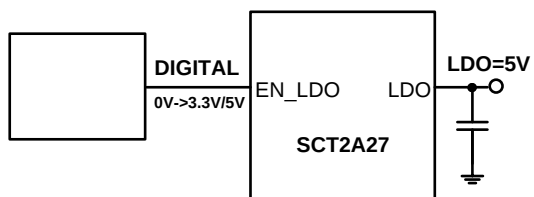


D G

LY d ) 2D G =f Y d gfl gd

| =FWD G | KI Y nk |
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Gmihm NgdY\_

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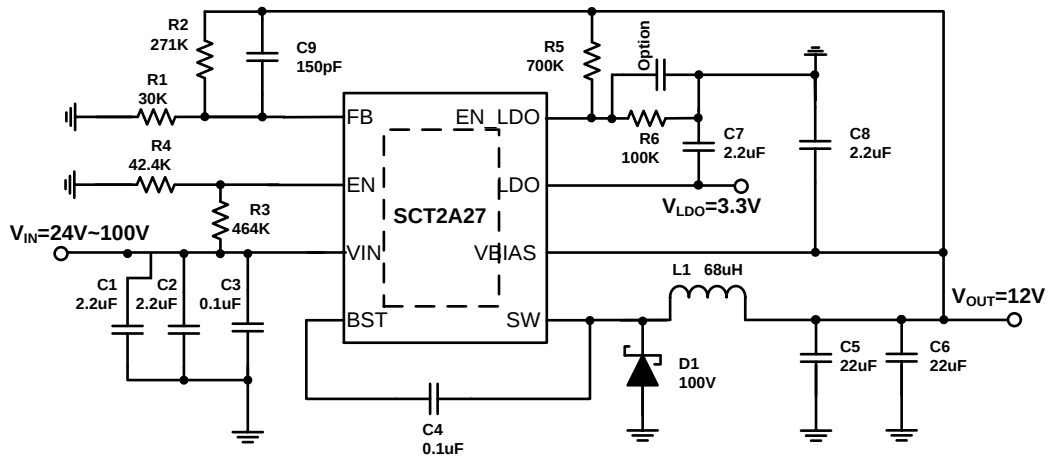
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Al f YdKg l%lYl

: ggllkl Yh NgdY\_ \_mMg

## APPLICATION INFORMATION

## L ha YdYhhda Yagf



>a\_m ). K L 9 / ka\_f = Ye hd : M C ) N Grnhm D G N Grnhm

ka\_f HY Ye I k

| ka_f HY Ye I k | = Ye hd NYdn |
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Gmihm NgdY\_

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NgML

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**Ahml YhY ág K d ləf**

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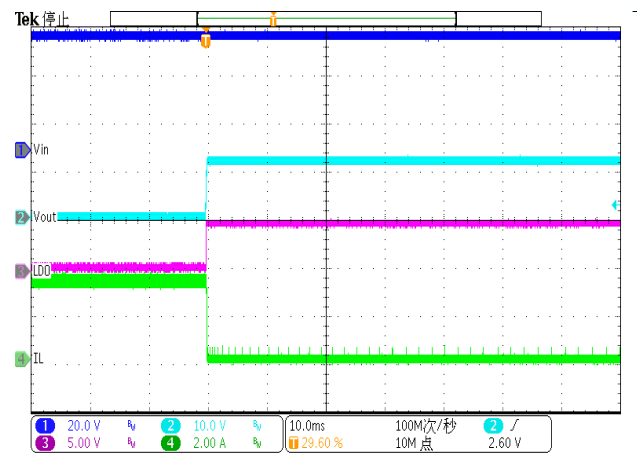
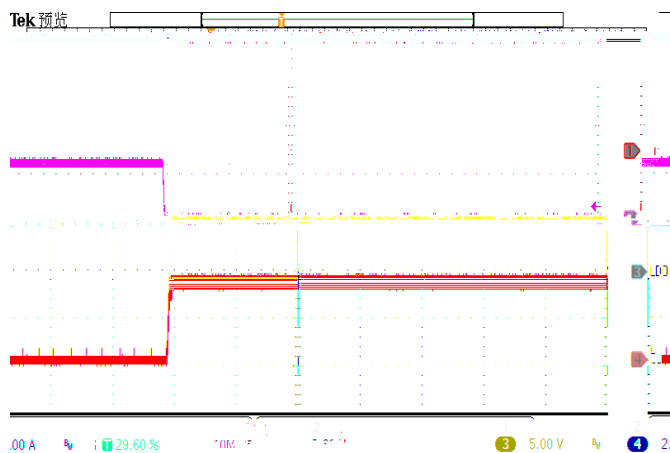
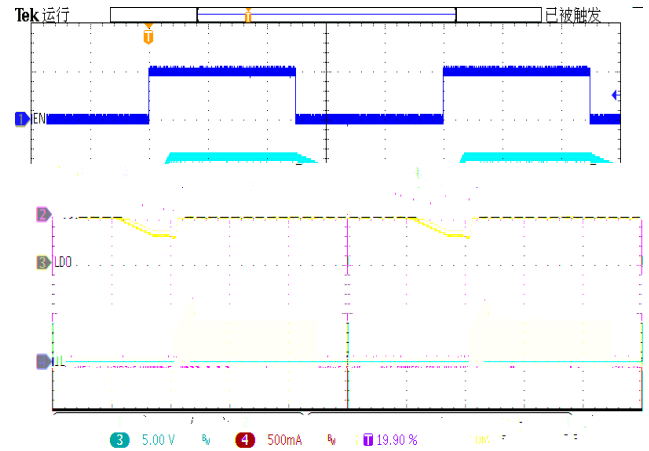
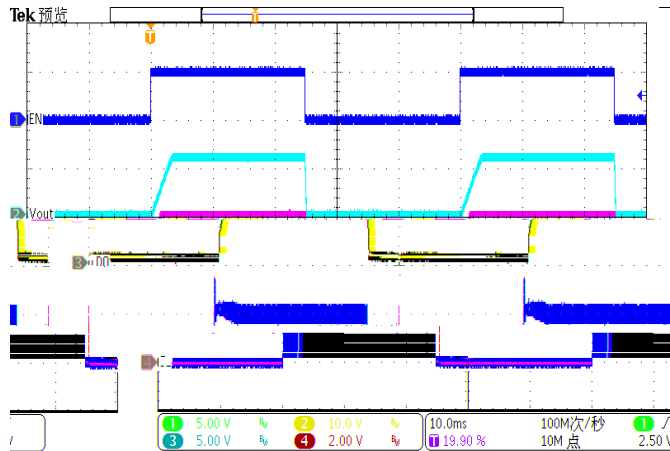
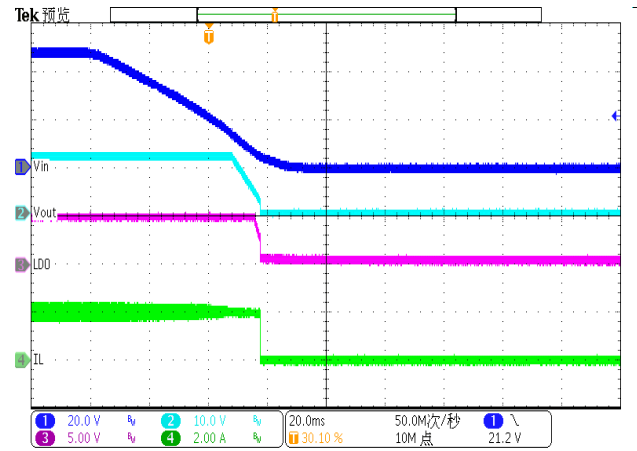
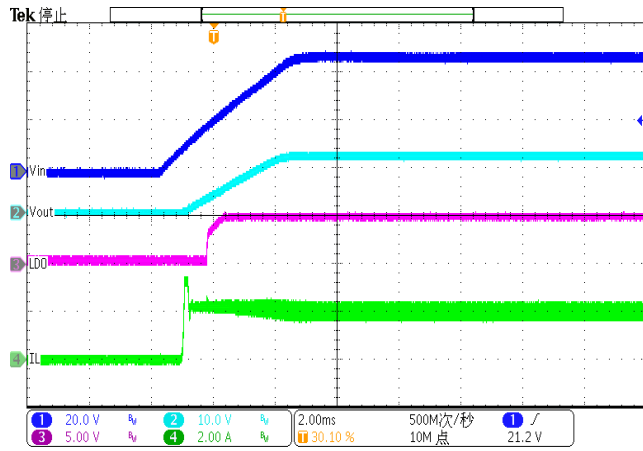
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**: ggkl Yh YhY ág K d ləf**

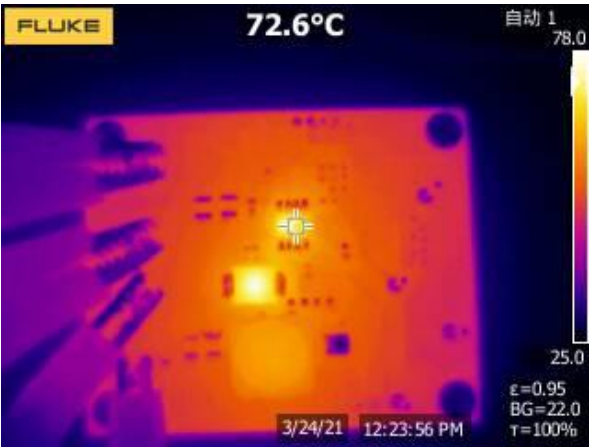
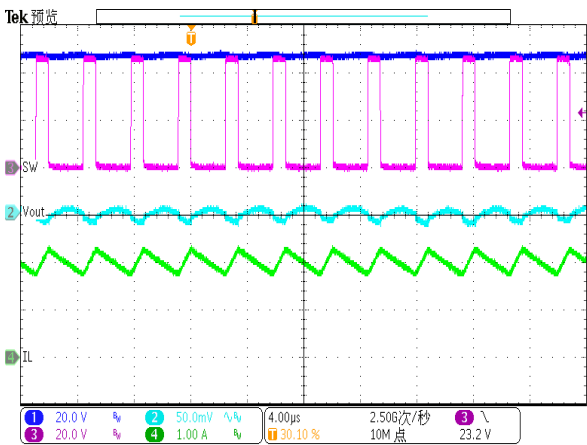
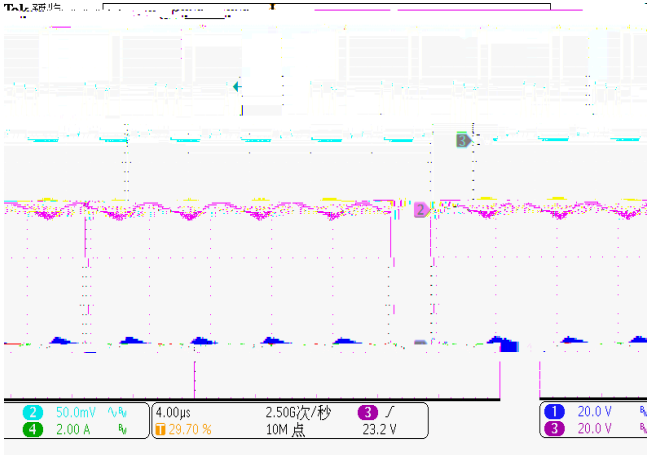
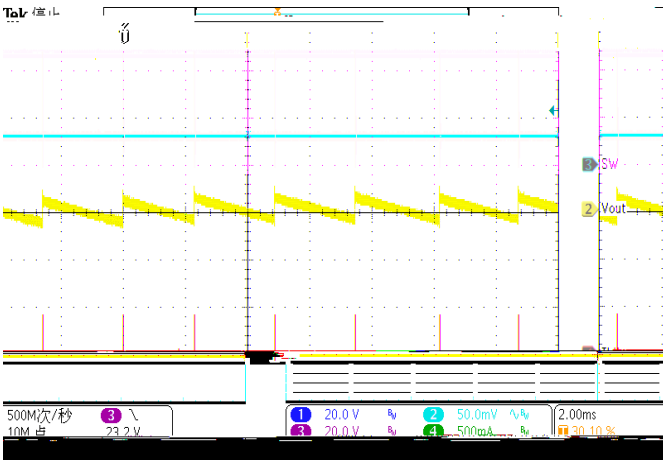
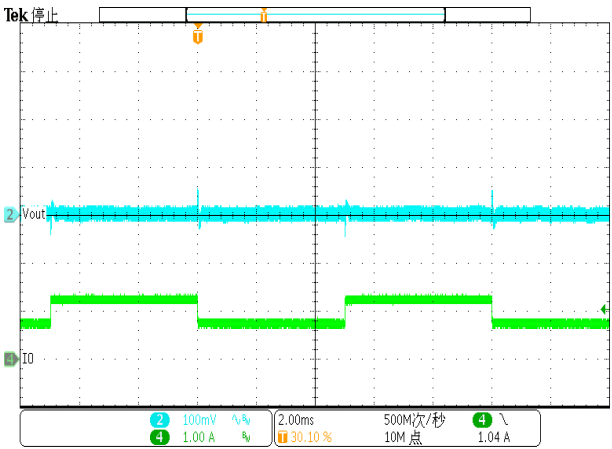
**Gmlhm YhY ág K d ləf**

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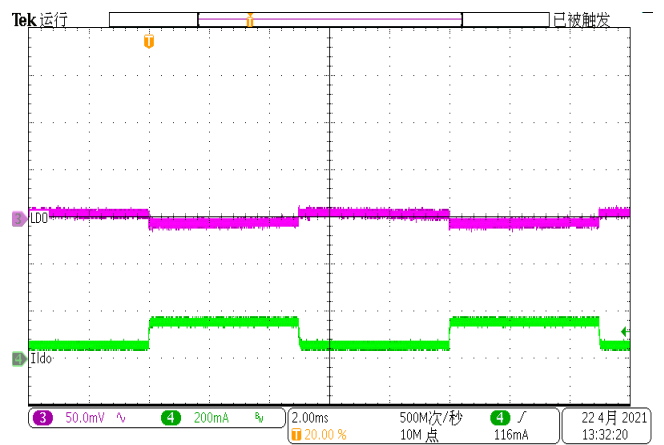
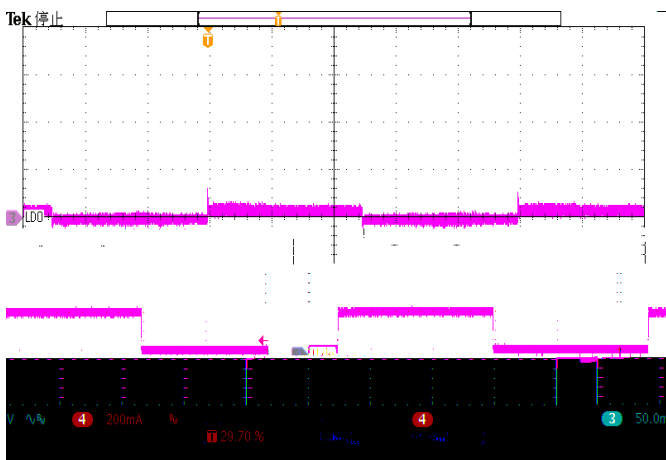
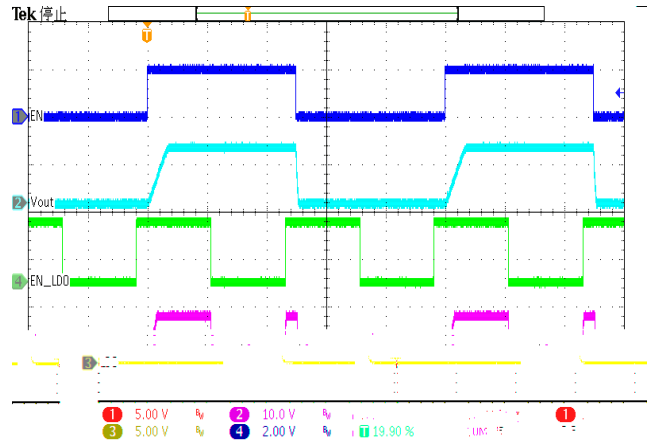
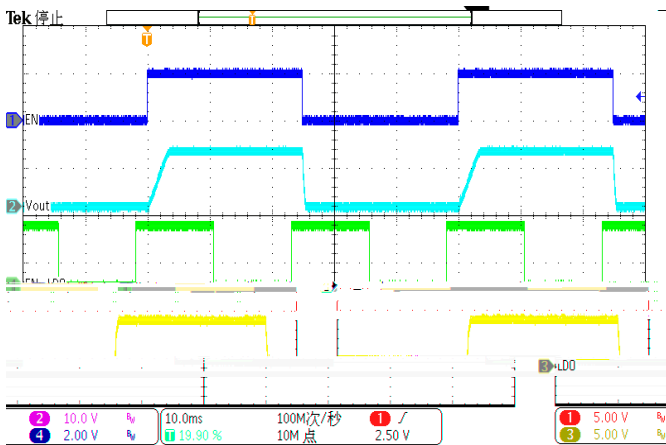
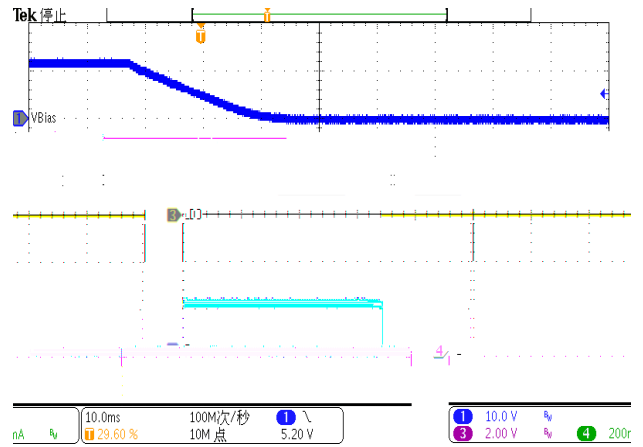
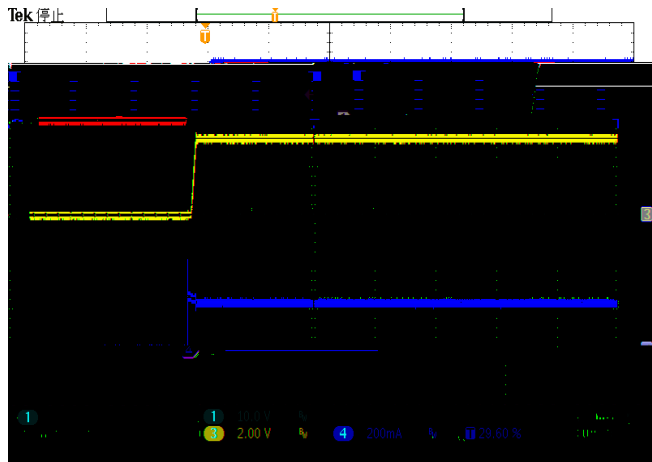
## 9 hhd Yaf OYn g e k



9 hhd Yæf OYn g e k gflæm !



9 hhd Yæf OYn g e k gflæm !



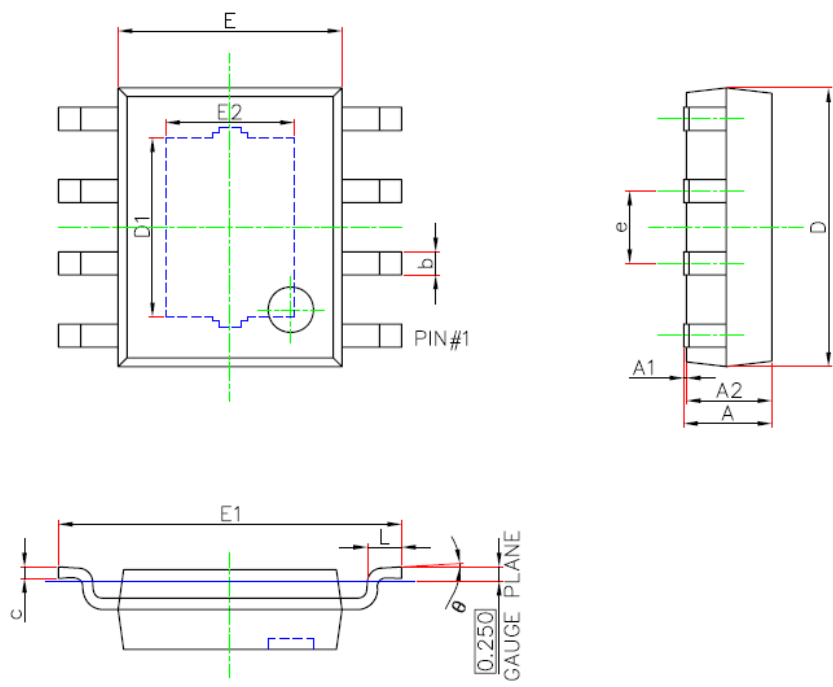
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PACKAGE INFORMATION

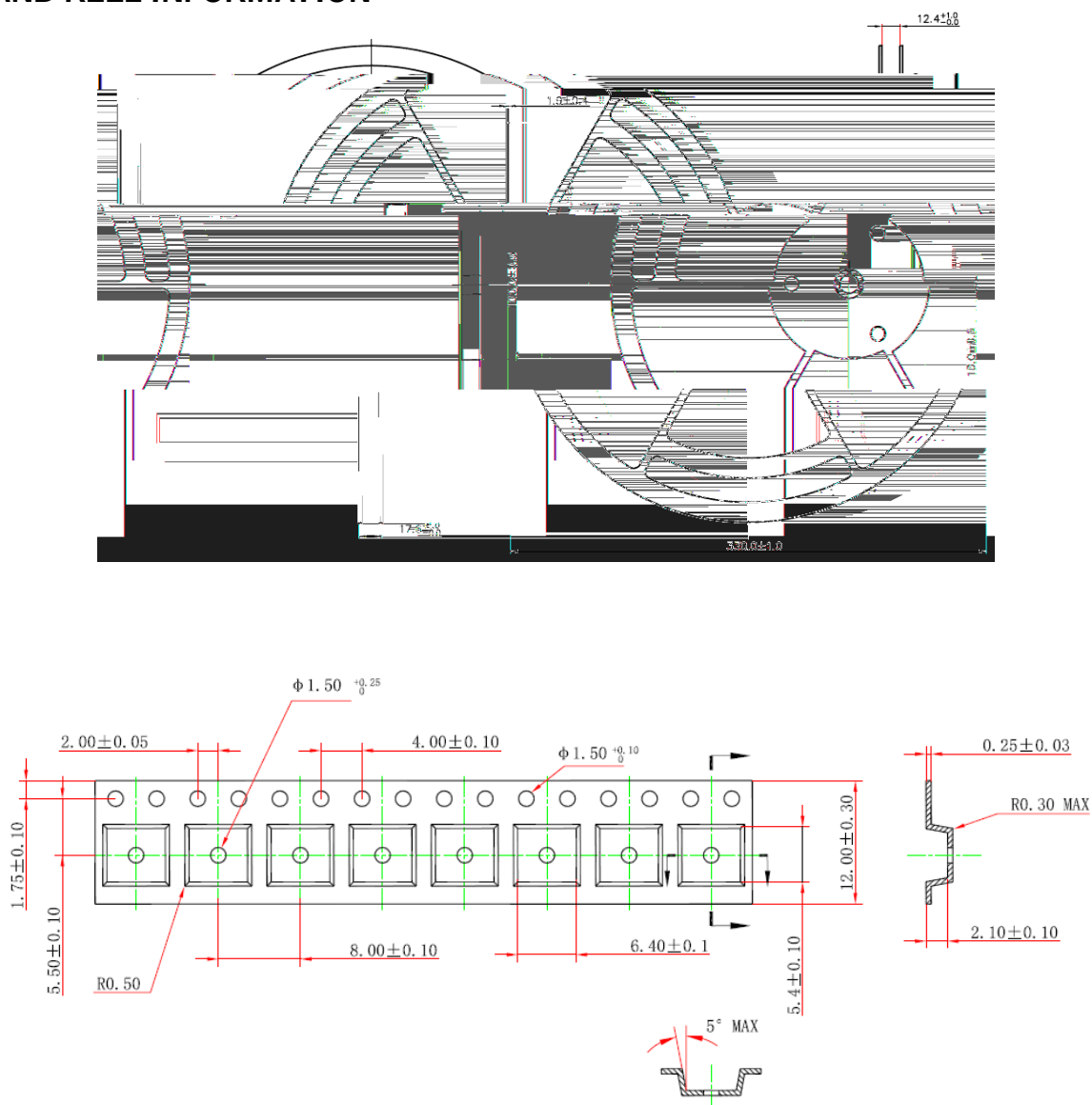


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FGL=2

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- 2.
- 3.
- 4.
- 5.
- 6.

## TAPE AND REEL INFORMATION



FGLA=2