

4.5V-60V Vin, 3.5A, High Efficiency Step-down DCDC Converter with Programmable Frequency

LM 2K

•
•
•
•
•
•
•
•
•
•
•

\$

3 X 1 K

Part 1324341502:86 Tim00498E0 C05-903085 251E01 03061081177JVETh QWEMQ<S&pa

2NAKGF A LG

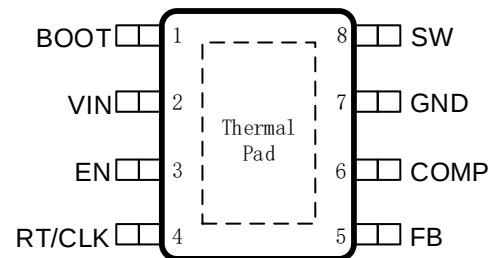
2NA 2 G 2 A F G E LAGF

KGDML 2 E PÆ ME LÆ K

(1)

(2)

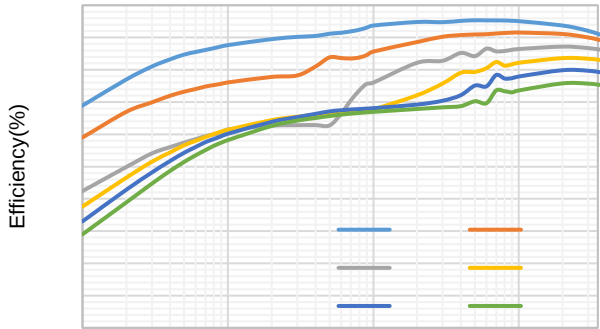
HÆ GF A M LAGF



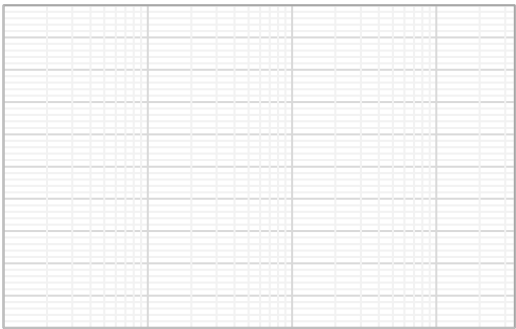
HÆ MF LAGFK

L HA D

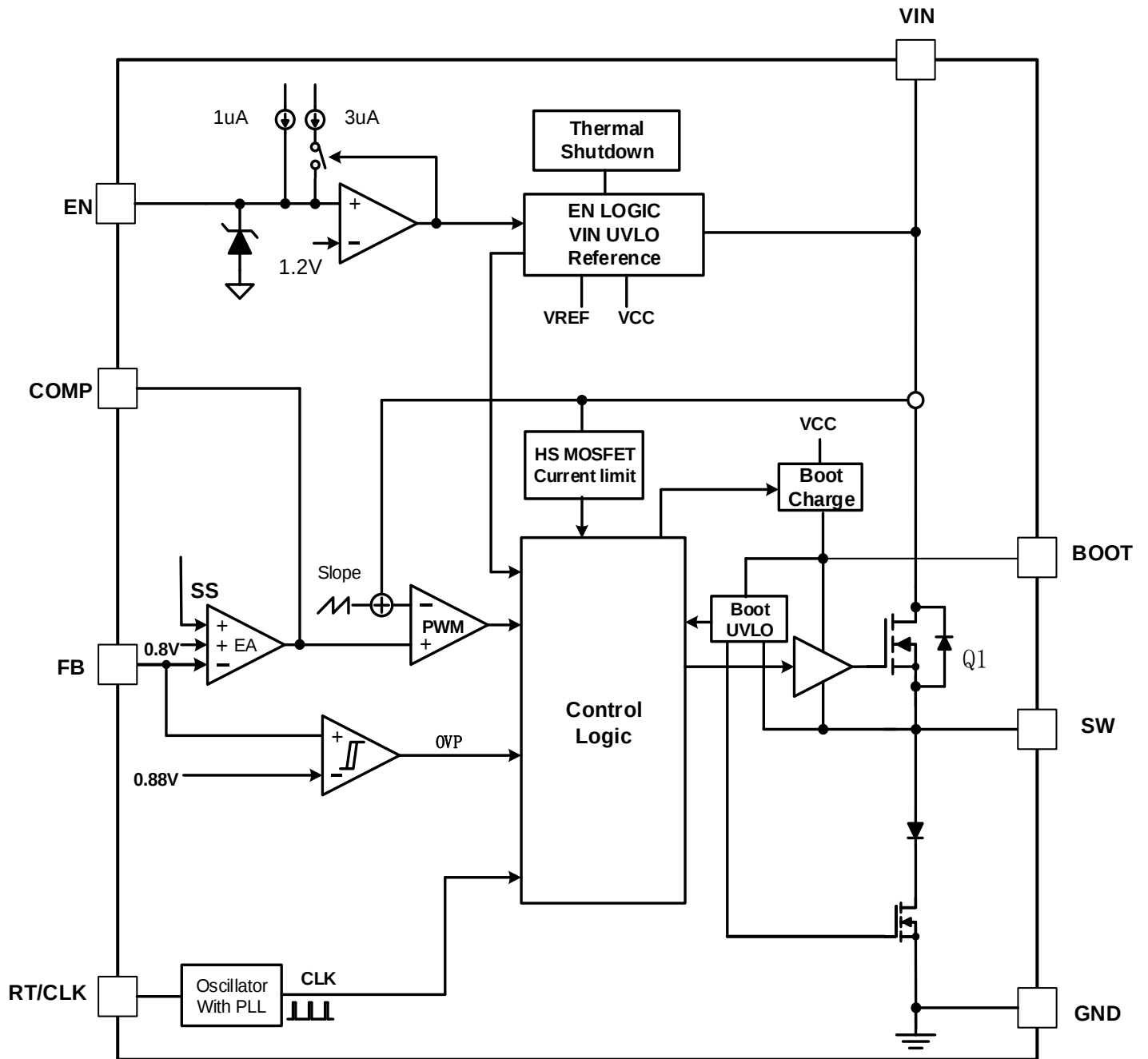
L2 ALAK



Output Current(A)



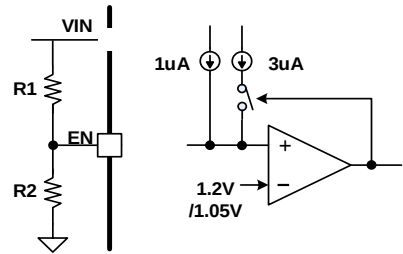
MF LAGF D DG C A E



GH2 LAGF

$$\begin{array}{r} 7 \quad \frac{R_{naa} \quad 431 \quad R_W}{9 \quad 741} \\ 4 \quad \frac{\quad \quad \quad 7 \quad 1}{R_W \quad 7 \quad 1 \quad 0} \end{array}$$

-
-



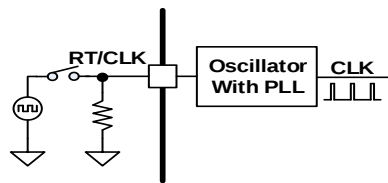
±

$$B \quad PKL \quad \frac{R_{K \ P}}{R_{NAB}} \quad 7 \quad B \quad KP$$

-
-

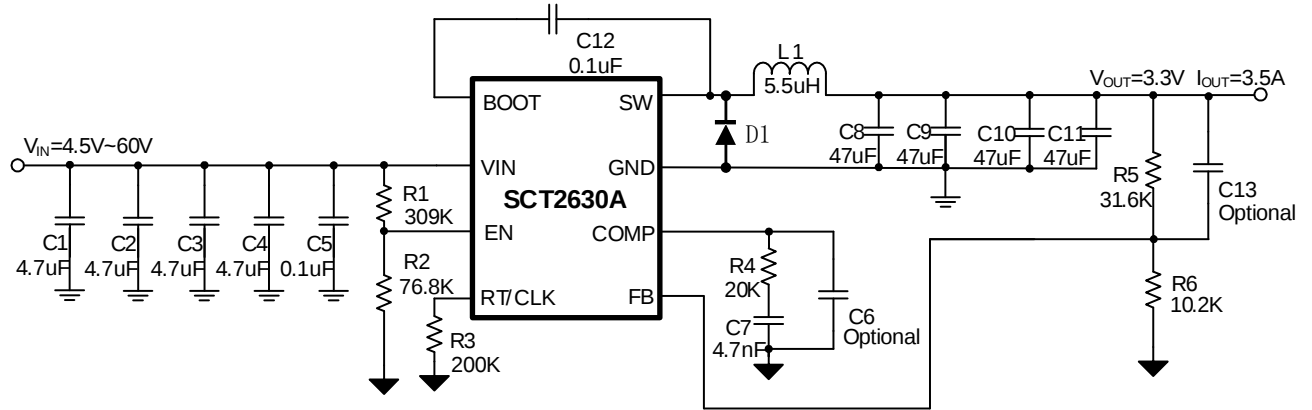
$$P \ G \quad \frac{7}{G}$$

0



$$os \quad W o \quad d \quad \frac{ER}{i \quad ej \quad K} \quad \frac{E_{HEP}}{R_{E \quad I \quad T}} \quad \frac{R_{K \quad P \quad ODKNP}}{E_{HEP} \quad O \quad kj} \quad \frac{R_Z}{R_Z}$$

HHDA LAGF AF G E LAGF



$$1 \quad \frac{R_{K \ P}}{R_{NAB}} \quad 7 \quad 2$$

•

$$\frac{7}{s}$$

•

$$7 \quad \frac{R_{naa} \quad 431 \quad R_w}{9 \ 741} \quad 4$$

$$4 \quad \frac{\quad 7 \ 1}{R_w \quad 7 \ 1 \quad 0} \quad 5$$

$$E_{HL L} \quad \frac{R_{K \ P} \quad R_E \quad R_{K \ P}}{R_E \quad H \quad OS}$$

-
-
-
-
-

$$H_{I \ E} \quad \frac{R_{K \ P}}{OS \quad HE \quad E_{K \ P \ i \ Wt}} \quad 7 \quad \frac{R_{K \ P}}{R_E \quad i \ Wt}$$

-
-
-
-
-
-

$$E_{HL A \ G} \quad E_{K \ P} \quad \frac{E_{HL L}}{4}$$

$$E_{HI I \ O} \quad E_{K \ P} \quad \frac{7}{74} \quad E_{HL L}$$

-
-
-
-

$$L \quad \frac{R_{E \ I \ T} \ R_{K \ P} \ E_{K \ P} \ R_Z}{R_{E \ I \ T}} \quad \frac{f \ os \ R_E \ R_Z}{4}$$

$$NI \ O \quad K \quad \frac{\frac{K}{7} \quad K}{7}$$

$$NI \ O \quad 1 \quad K$$

$$\frac{K}{OS} \quad \frac{K}{7} \quad \frac{K}{7}$$

$$K \quad \frac{R_{K \ P} \quad R_E \quad R_{K \ P}}{4 \quad OS \quad H \quad K \ P \quad R_E}$$

- K
-
-
-
-
-

$$A \quad \frac{7 \quad \frac{O}{7}}{7 \quad \frac{O}{7} \quad 7 \quad \frac{O}{7}} \quad C_{BD \ O} \quad \frac{R_{K \ P}}{E_{K \ P}} \quad \frac{7 \quad \frac{O}{7}}{7 \quad \frac{O}{7}} \quad \frac{R_B}{R_{K \ P}}$$

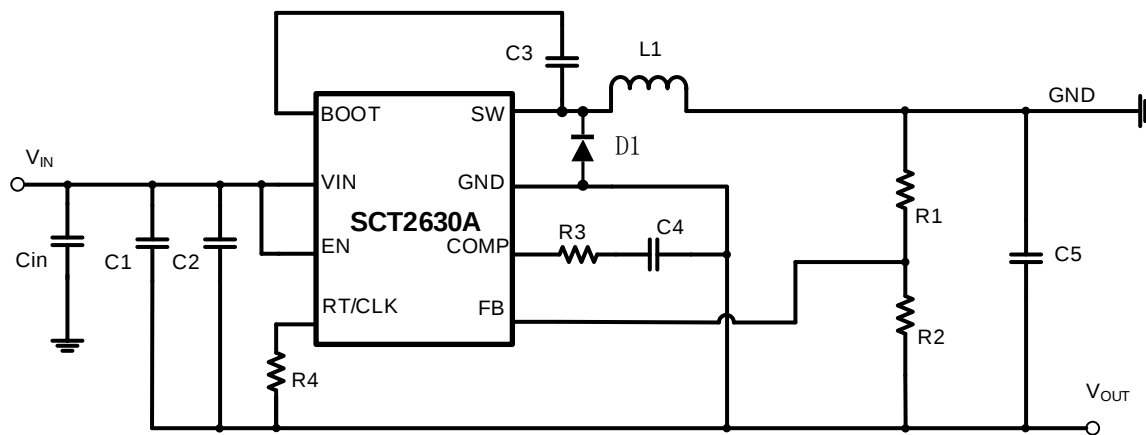
-
-

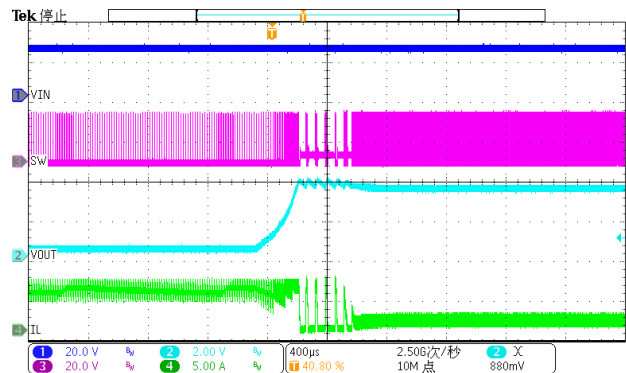
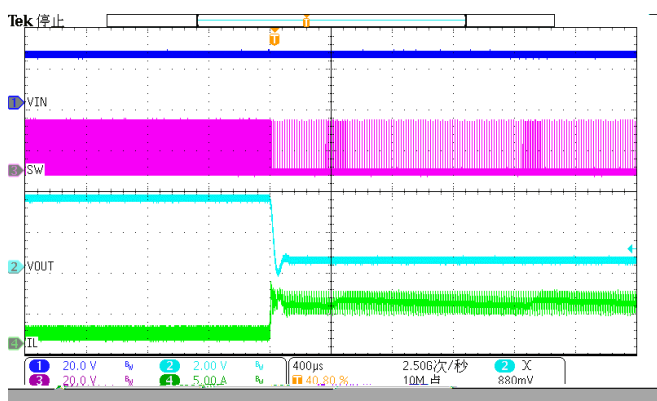
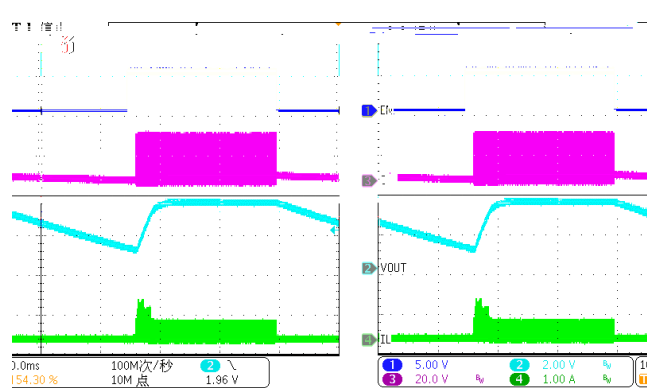
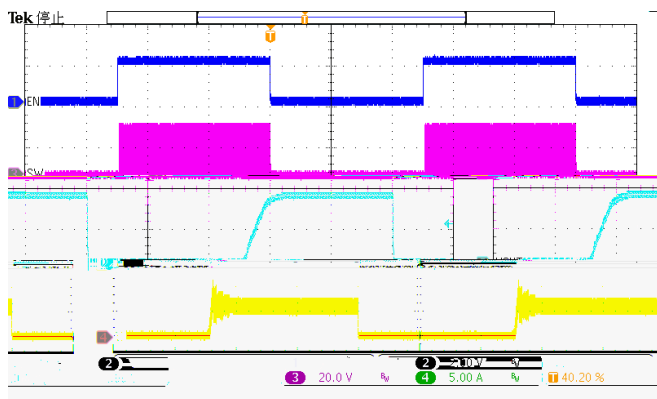
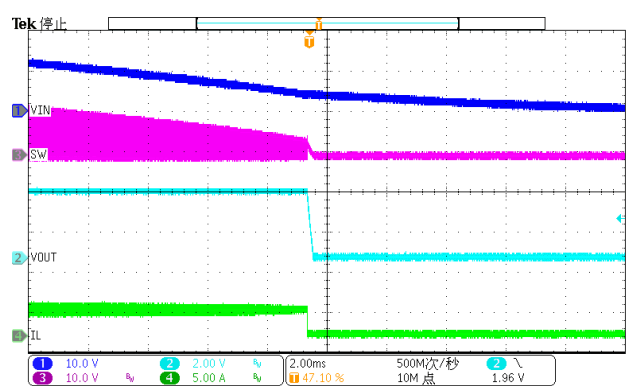
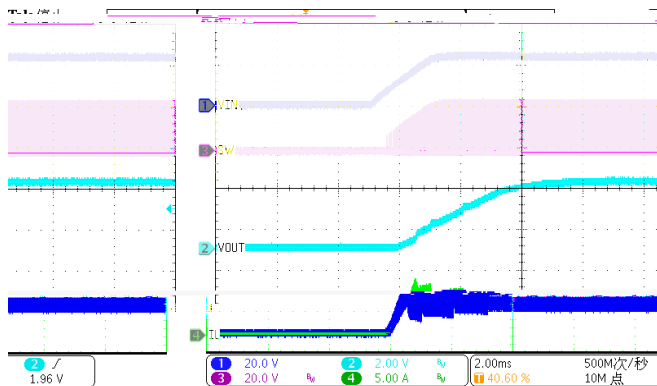
$$R \quad A \quad C_{BD} \quad O \quad \frac{R_B}{E_{K \ P}}$$

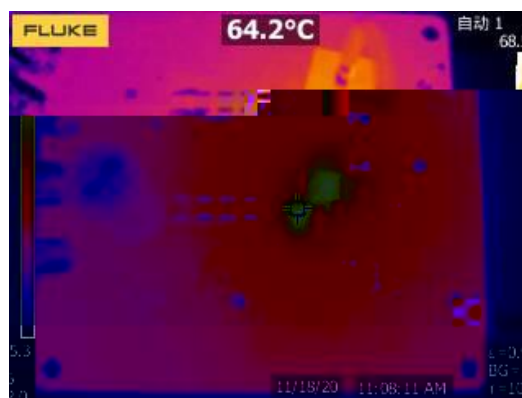
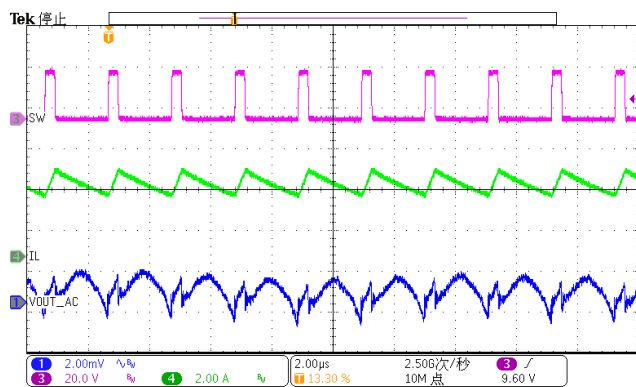
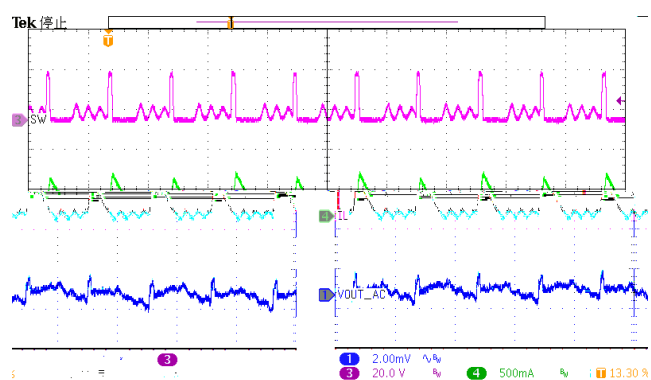
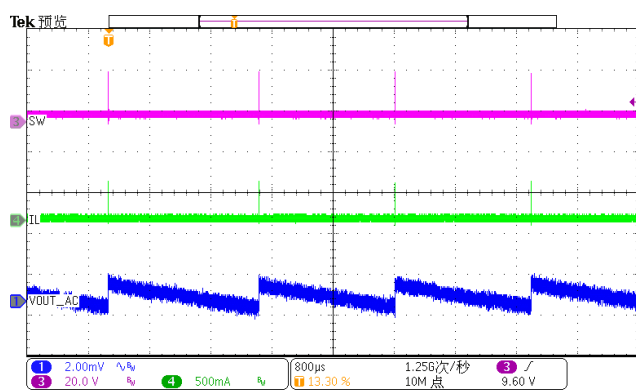
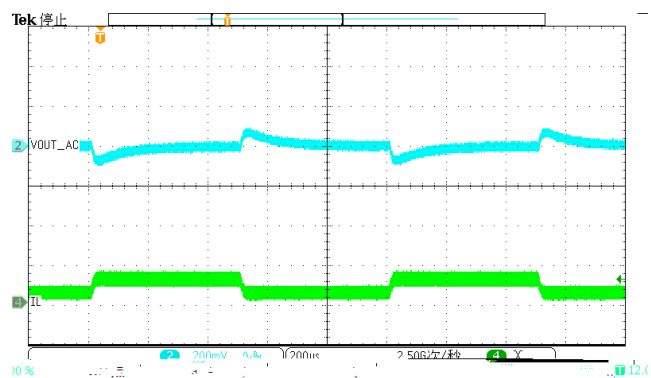
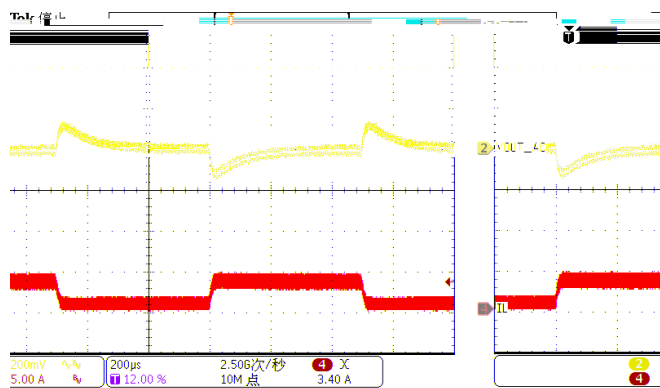
$$L \quad \frac{7}{4 \quad KA \quad 3} \quad \frac{C_A}{4 \quad A \quad 3}$$

$$L \quad \frac{7}{4 \quad HK \quad K \ P} \quad \frac{E_{K \ P}}{4 \quad R_{K \ P} \quad K \ P}$$

-
-
-







1.

H C 2 A G E L A G F

L H2 F 22DAF G E LAGF

