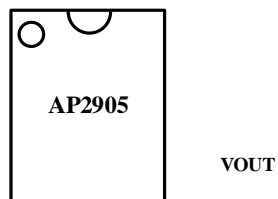
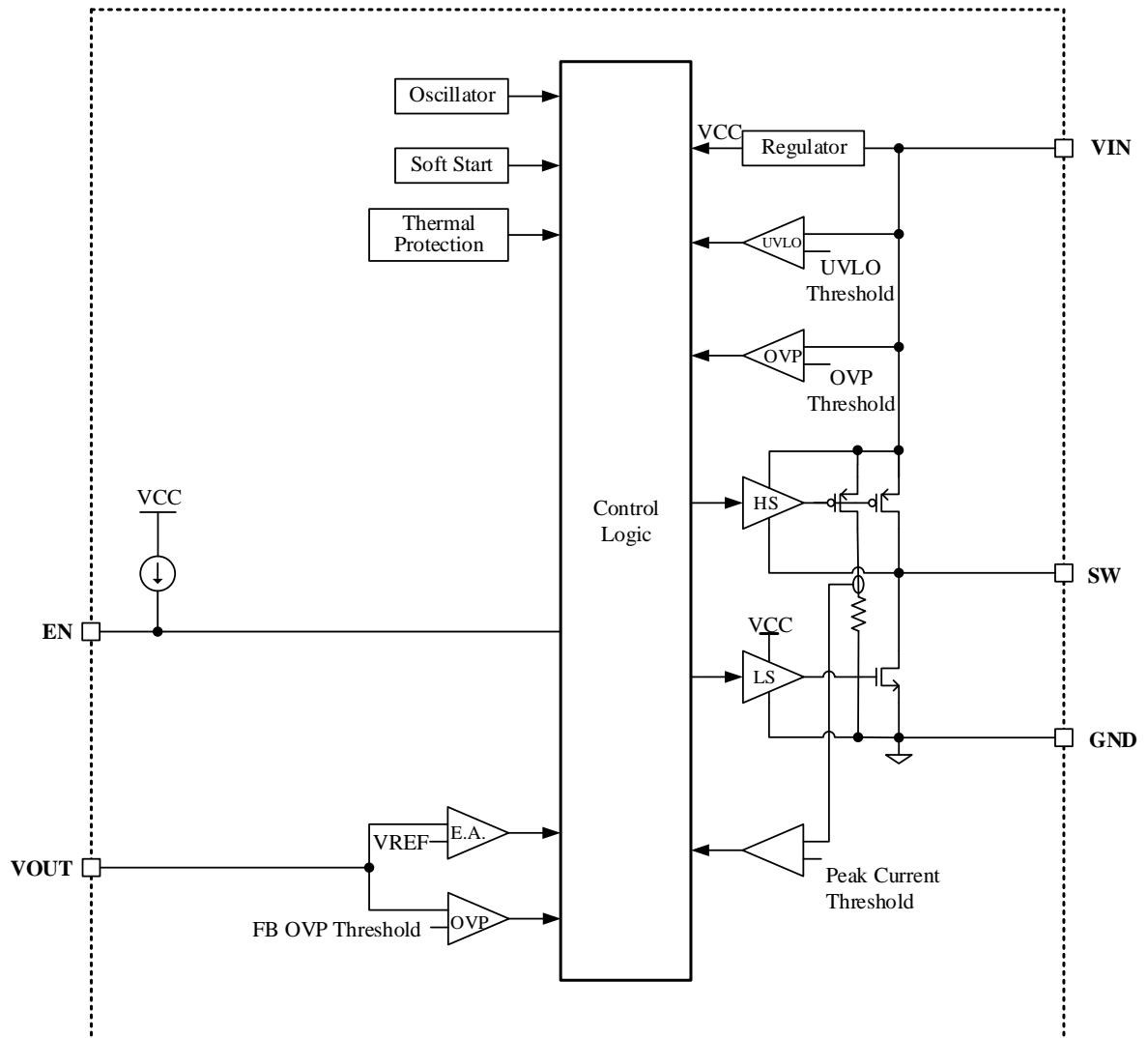


AP2905TB-A1	SOT23-5L	3,000/Reel	VAYWW ⁽¹⁾
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(1). YWW =



VIN	1	VIN GND
GND	2	GND
EN	3	EN VIN VIN 5V IC EN IC EN IC IC 4.7 k
VOUT	4	SW
SW	5	



(1)

($V_{IN} = 12\text{ V}$, $T_A = 25\text{ }^\circ\text{C}$,)

(2)

I_{LM}

1.5

A

1.

AP2905 6 V
~ 40 V 0.7 A
5 V 2
AP2905 100 kHz
AP2905 PWM

P MOSFET N
MOSFET
P MOSFET
Icomp MOSFET

4.

(UVLO)

UVLO 5.5 V

5.

AP2905 EN IC
IC EN IC
EN 5 EN IC
4.5 V EN IC
4 IC
EN 5V EN
VIN VIN

2.

AP2905

MOSFET MOSFET

3.

AP2905 (1) 100

R_{DS(ON)} P
(1). D

6.

(SCP)

AP2905 UVP
SCP
0.8 s AP2905



1

4.

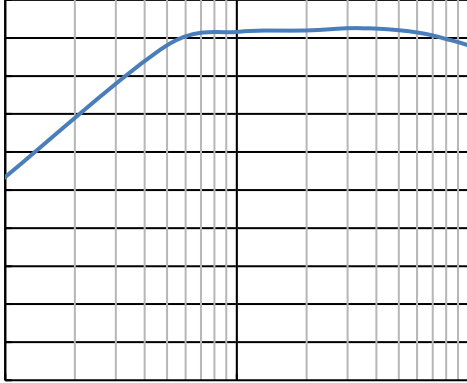
1.

2.

3.

$V_{IN} = 12\text{ V}, V_{OUT} = 5\text{ V}$

$T_A = 25$

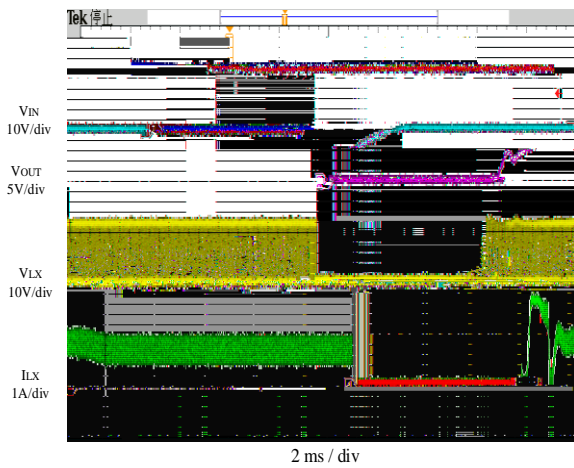


2. vs.

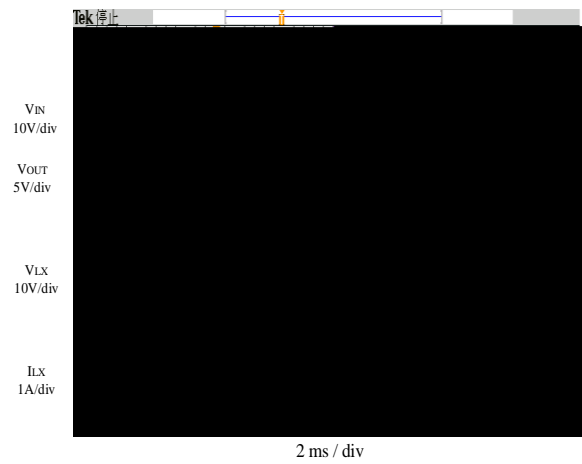
3. vs.

4. vs.

5. vs.



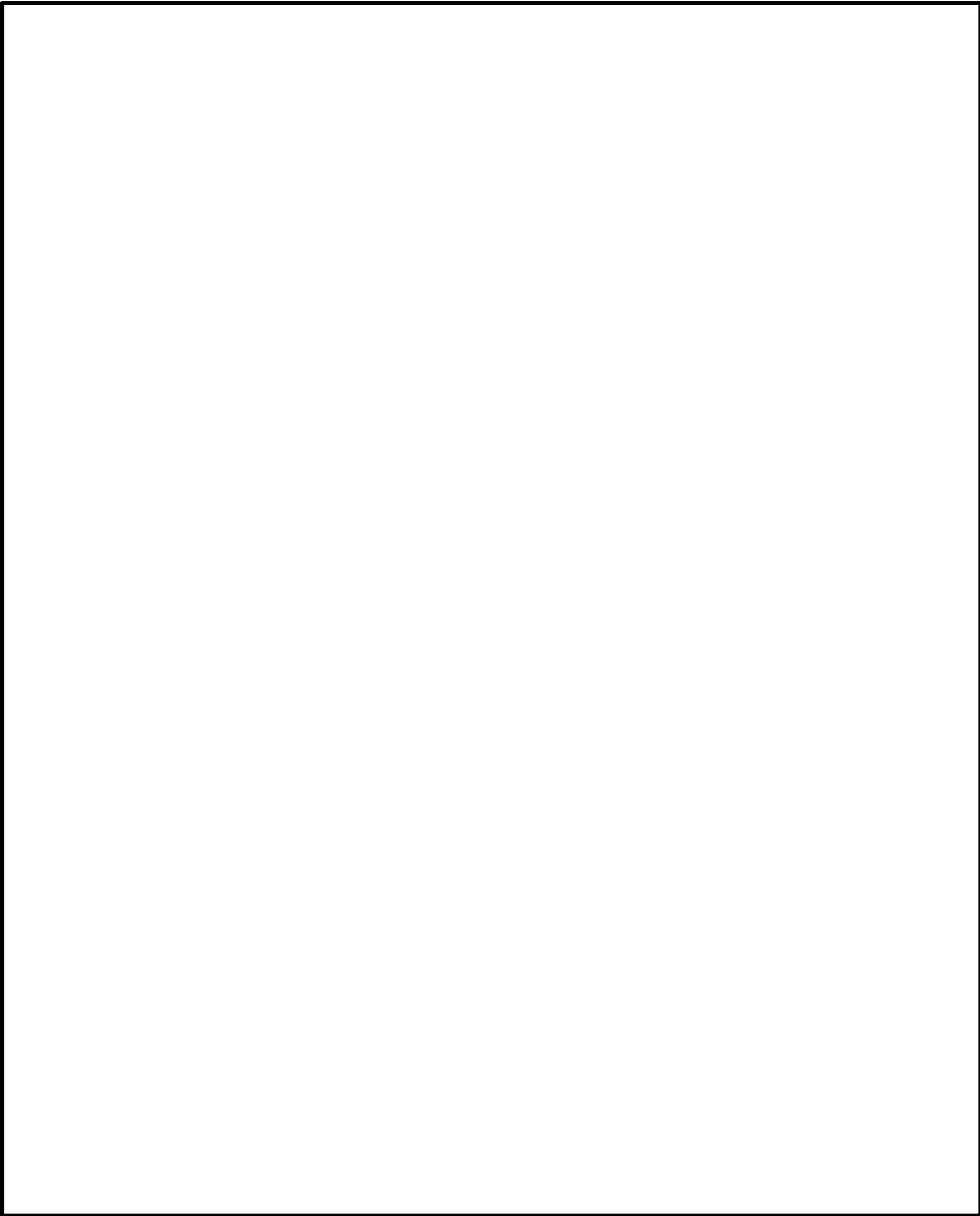
6.

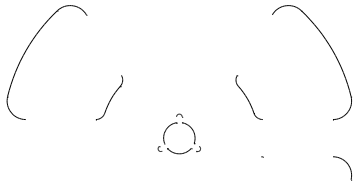


7.

$V_{IN} = 12\text{ V}$, $V_{OUT} = 5\text{ V}$

$T_A = 25\text{ }^\circ\text{C}$,





SOT-23-5L Package									
A (mm)	T (mm)	T1 (mm)	H (mm)	ØC (mm)	ØD (mm)	d (mm)	A0 (mm)	B0 (mm)	K0 (mm)
180	1.4	9.5	60	13.00	18.70	2.30	3.17	3.10	1.10
W (mm)	F (mm)	E1 (mm)	P0 (mm)	P1 (mm)	P2 (mm)	ØD0 (mm)	ØD1 (mm)	Pin 1 Quadrant	
8.00	3.5	1.75	4.0	4.0	2.0	1.5	1.0	LL	

1. ;
- 2.
- 3.
- 4.

