FEATURES

(, *
+
(

+* +*) *
0
(

*

*

REVISION HISTORY

4

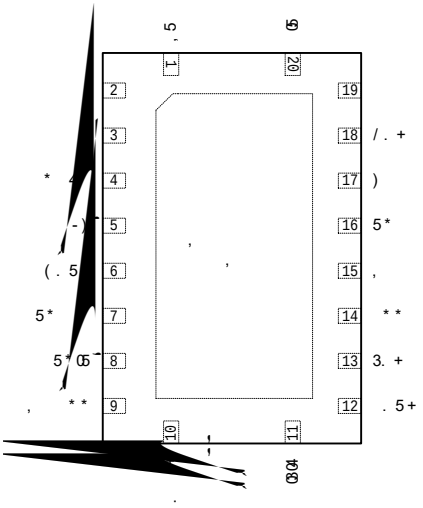
DEVICE ORDER INFORMATION

* (+/ 2			(		+- 5 3

ABSOLUTE MAXIMUM RATINGS

05			

PIN CONFIGURATION



+- 5 3

PIN FUNCTIONS

, 5		0	, 0 , 5 0 , 5 * * / . + 3. + 0 , 5 2 / . + 3. + , 3 ((, 5 3 /
		0	(. 5+ 2/ 4 / (5* 5
2		0	((2 2 2 2 (2 0 -) -) 2 -) 2 (2 * - 2 (. 5+
*			3 * * -)
			- (
(. 5+			(
5*			3 - , * 5* * (5* 5 * (- , 5 5*

5* 05		0	+ 4 , * 5* 05 + 4 , 4 , (5* 05 + 5* 05 + * 4 (5* 05 4 - 4 + 5* 05 * (+ * 4 - 4
, **		0	, ** 0 , ** ** , ** , **
.			. (-)
0304		0	* (0304 4 , + - ,
. 5+			4 , 4 , * 4 ,
3. +			3 4 , * - ,
**			3 . 5+ , , 3 * ** 05 ** *
,			,
5*			5
)			) * % -) - , 0) **
/. +			/ 4 , 4 , *
			* 4 , 4 ,
05			** 3+
,			, ,
. .	0 0		

THERMAL INFORMATION

1(	1		
1*	1		
1*	1		*
1	1		
1)	1		

*

1(1* 1(1*

*) * (*) * (* *)

1(1*

RECOMMENDED OPERATING CONDITIONS

05	0			
* *	, * *			
, * *	, , * *			
1				*

ESD RATINGS

, +	/) 4 /) 4 (5 01, +, * 1			
	* + 4 * + 4 (5 01, +, * 1			

1, +, * 1, /) 4 , +
1, +, * 1, * + 4 , +

ELECTRICAL CHARACTERISTICS

1 * 4 * *
05 , 5

05				
0 / + 5		, 5 #		(
0)		, 5		(
0		, 5 2		(
* *	* *	2 05 (#0 * * (		
* * 3	0 3 /	05		
* * 3+	05 * *	05 2 0 * * (		
0 * 3+	* *	2 * *		(
, * *	, * *	05		
	/			

, -	-)	-) * ℃		
0)) 0	-)	-)		(
(3	+ *			)
.)				4 /
0 *	, (	-) , - *		(
0 52	, (	-) , - *		(
* /	*	-) * (		

- * * 3 (
- 3 * (

* 4 3	* 4	* 4 (		

, 5 / +5	, 5	, 5		
	/			
, 5	, 5	, 5		
0 , 5 /		, 5		(

0	2	2		(
	2 -,	, 5 2		
-)	2 -)			
* * * 3(4	2	2 -) -)		

. /	. -)	, - -)		
. /	.	, -		
. 3 /	. -)	, - -)		
. 3 /	.	, -		
.	.	-) .		
.	.	-) .		
. 3	.	-) 0. (		
0.	.	-) .		(

- .

+ 24(	4	- / # 05#		
+ 24(	4	- / # 05#		
(4 405	*			
2--	4 05 (4	# 05#		

) - +	+	**)) (		
0)	)	2)		(
)	)	)		
	/			

0	0304 ,5 ,	3 0304		(
0+	0304 +	0304 1		(
0+ *	0304	+		*
0 *	0304	,5 ,		*
0304 /	0304 0304			
* /0* +,3	/	*		
* /0*	/	* 2		

*3(4	*	* *	05	
*3(4 405	4	*	05	

*+	*+	*+ /.+		
*++0	*+ **4	*+ /.+		
+,4 /	+	4		

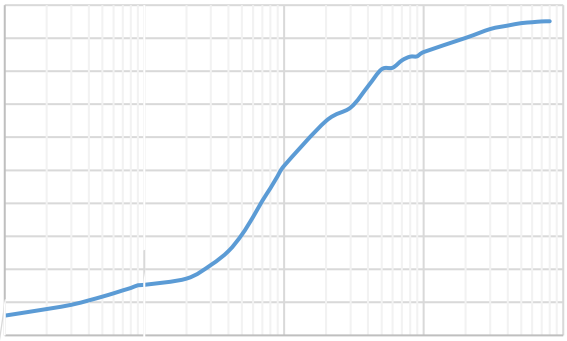
/.+	/.+ /.+)	) 0.+ (		
/.++	/.+ /.+	) 0.+ (		
3.+	3.+ 3.+ **	) 0.+ (		
3.++	3.+ 3.+	) 0.+ (		
/.+ 3.+	/.+ 3.+	) *3(-		
/.+ - 3.+ -	/.+ 3.+	) *3(-		

/ . + +	/ . +	) 3. + / . +		
3. + +	3. +	) / . + 3. +		

+		1 /		* *

5

TYPICAL CHARACTERISTICS

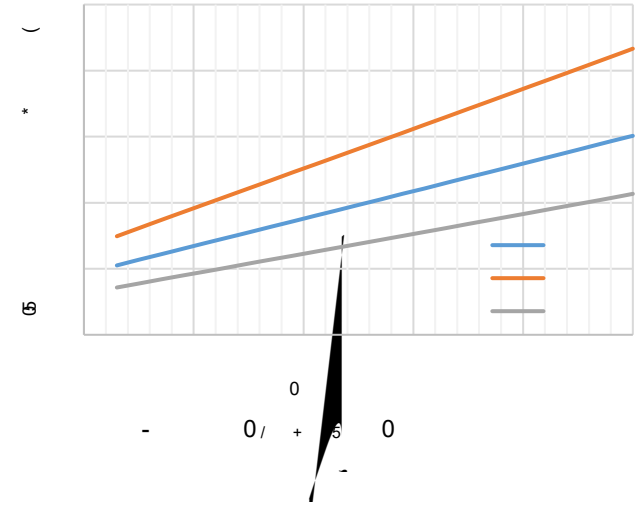


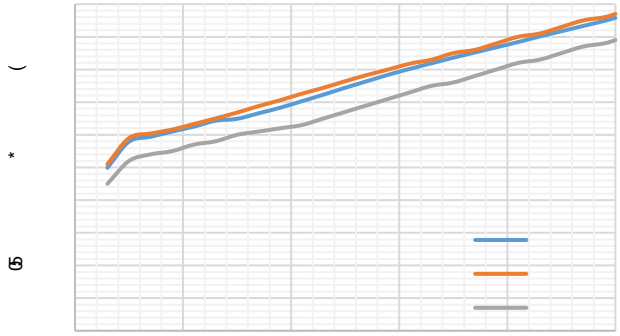
- , 3 * +* 4 - , 3 * -* * 4

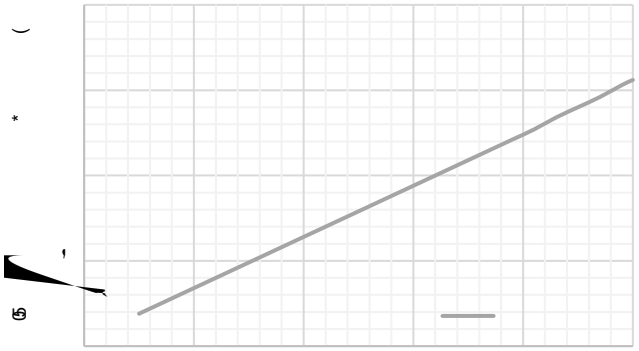
- , 3 * +* 4 - , 3 * -* * 4

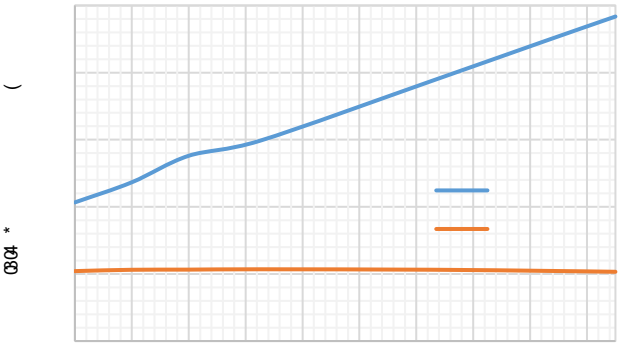
- , 3 * +* 4 - -

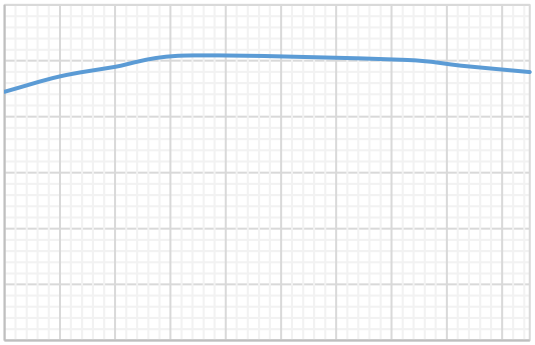
TYPICAL CHARACTERISTICS

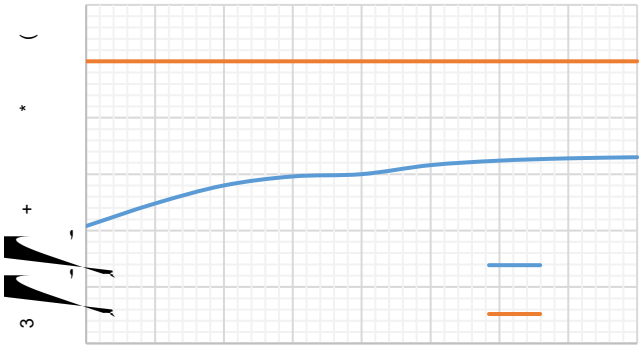




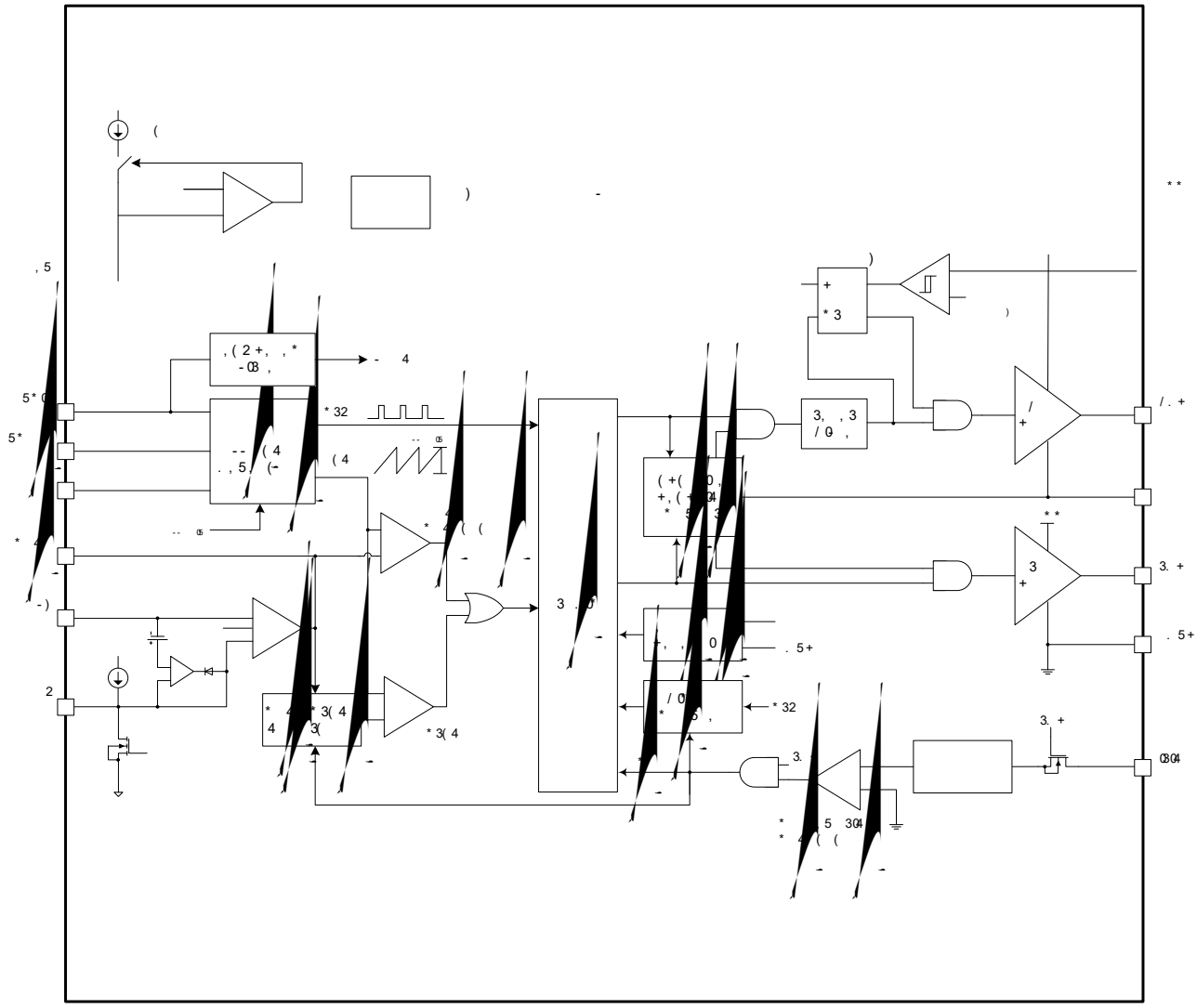






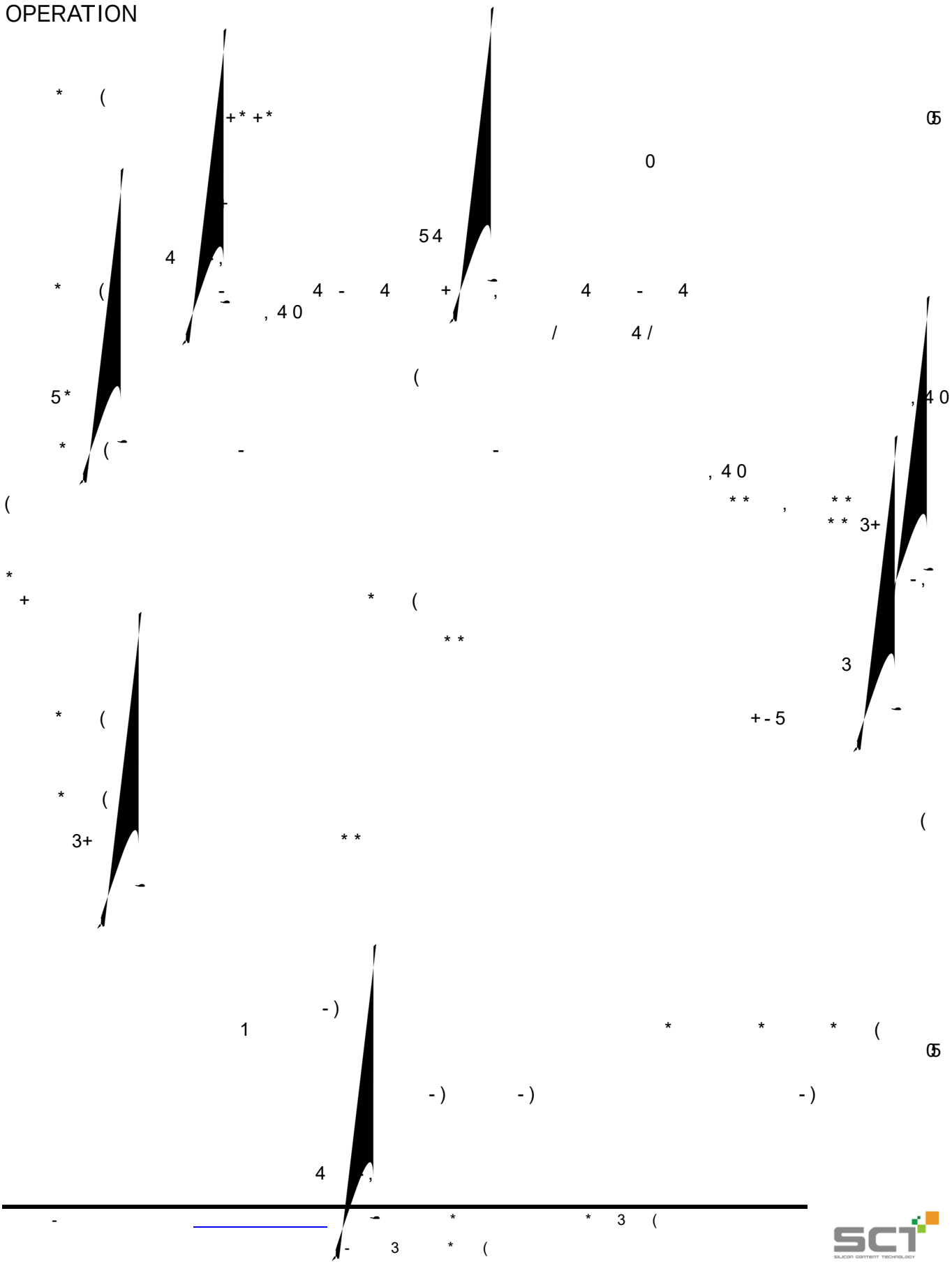


FUNCTIONAL BLOCK DIAGRAM

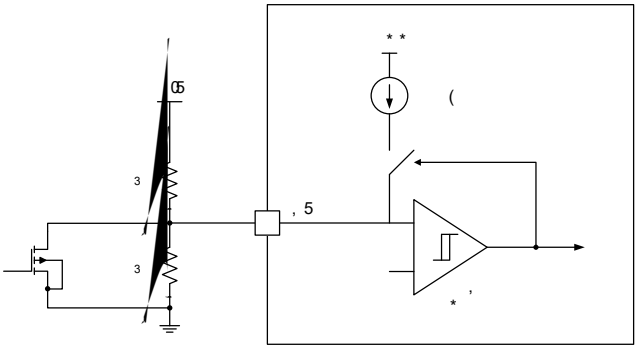


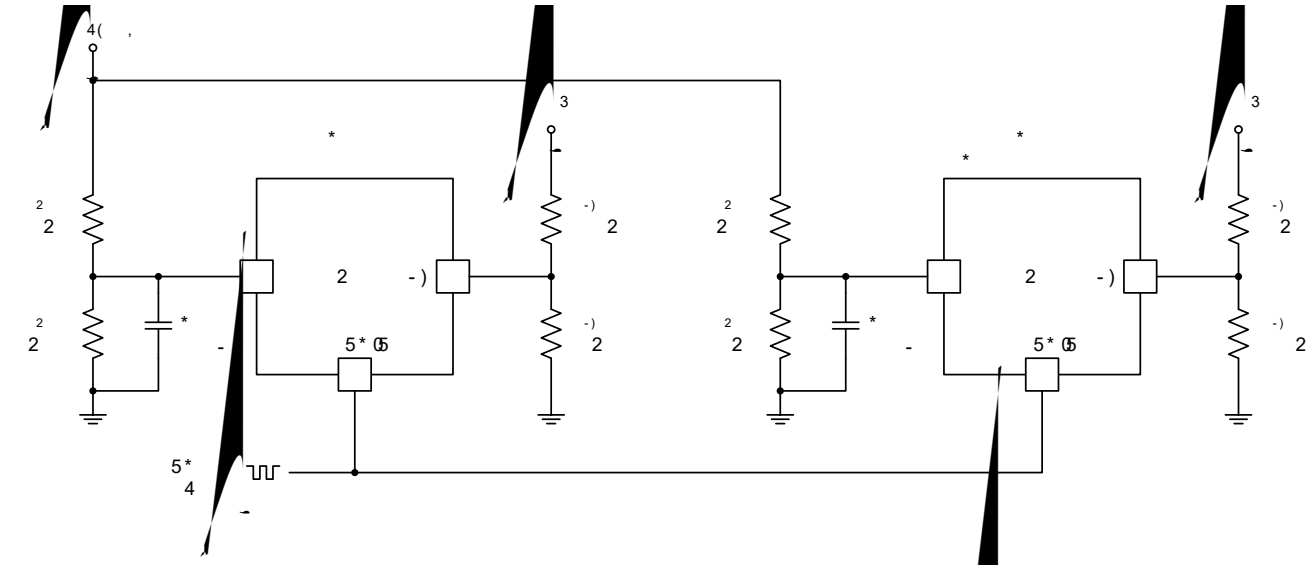
- -) +

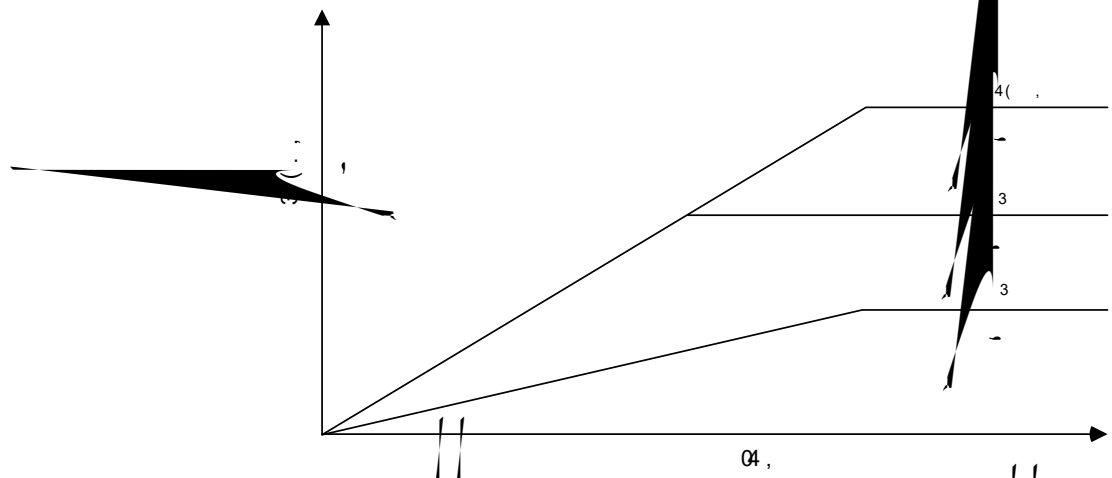
OPERATION

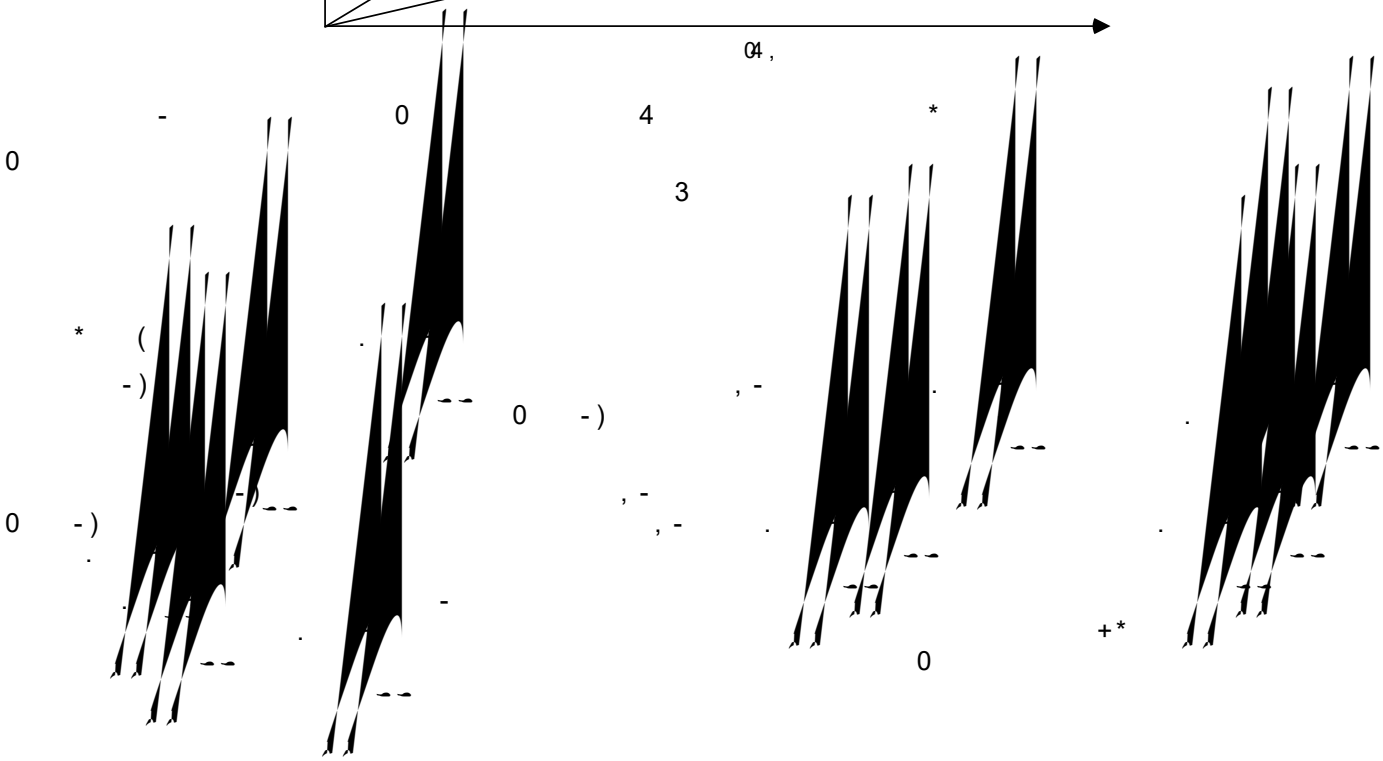


** (** **
** ** 5
* - - ** (. 5+
** ((


* *
3
3
, 5
* ,







-

, 4 0 * (- - -

* (4

0

4

(

2- -

05 (4

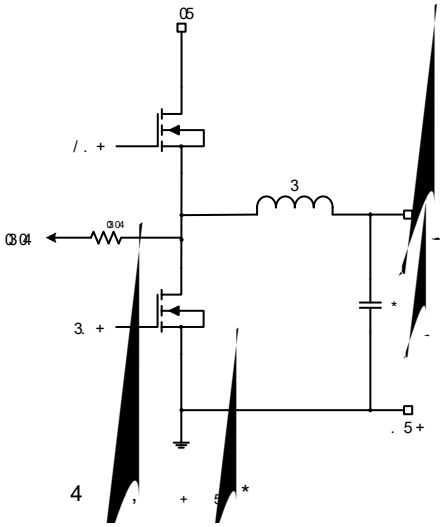
* (

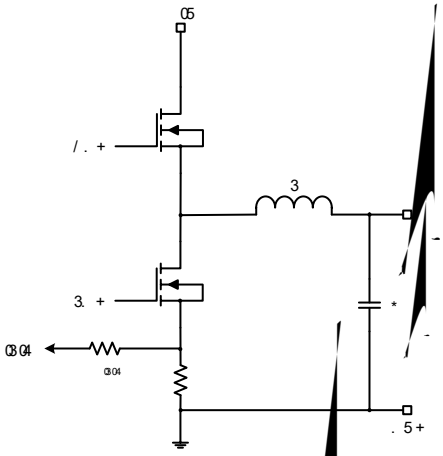
4 , 4

* *

4 ,

1,





4 , + 5 *

*

- *

+ 0304 + 4 ,

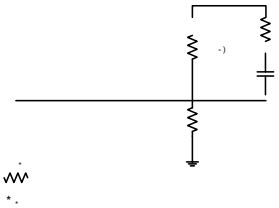
, 5 , 0304 4 ,

* (

*

* (

4



-)

+ *

3*

-)

5

-)

(*

-)

(*

/

+	$_{fT}(c) \quad \frac{F\ (c)}{T(c)} \quad F \quad \frac{1 \quad \frac{c}{CB}}{1 \quad \frac{c}{} \quad \frac{c^2}{2}}$
*	$(c) \quad \frac{F_S \quad (c)}{F\ (c)} \quad \frac{1}{B \quad {}_1 \quad {}_1 c} \frac{1 \quad \frac{c}{1} \quad 1 \quad \frac{c}{2}}{1 \quad \frac{c}{1} \quad 1 \quad \frac{c}{2}}$
4	$\frac{T(c)}{F_S \quad (c)} \quad \frac{1}{F_Q}$

000

+ *

3*

, -

-) 5

-) (* -)

-

0

, .

-) -) * * * * * * *

* *

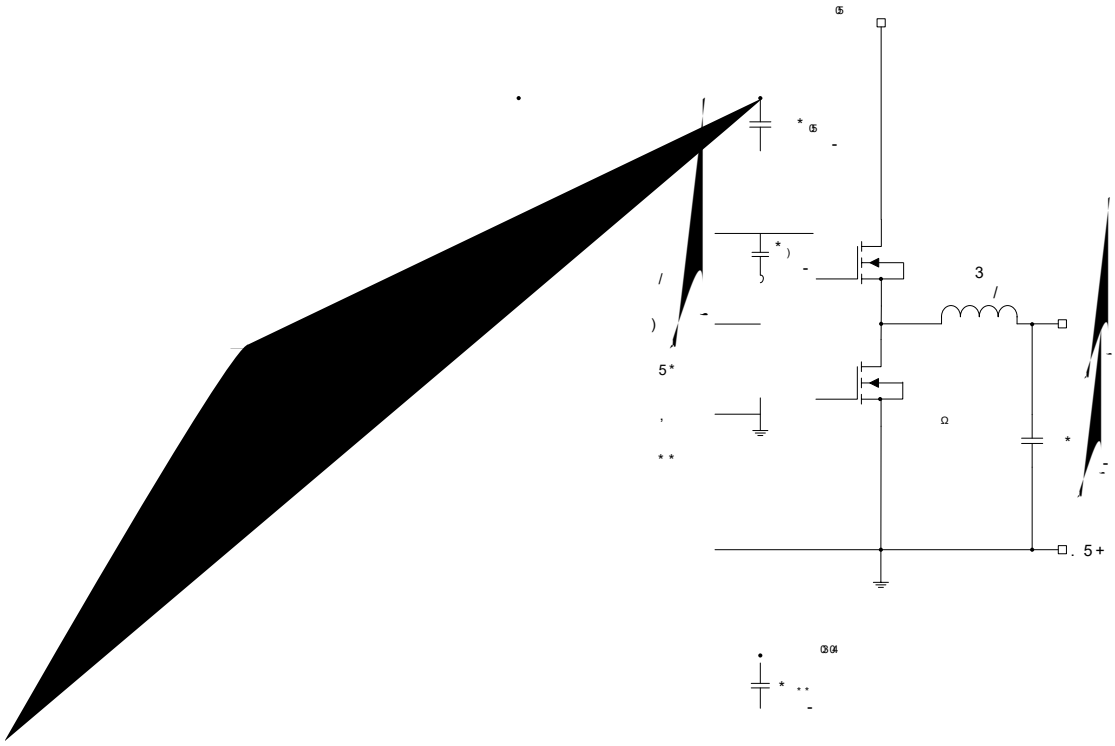
, 0	* ((* 0
$B_2 \quad \frac{B_1}{F_E / F_B \quad 1}$	$_1 \quad / 2 \; V_S \; B_1 \quad)$
$B_1 \quad \frac{1}{\quad o \quad 1}$	$_2 \quad \frac{1}{_1 \; B_1}$
$B_2 \quad \frac{0}{CB \quad 0} \; B_1$	$_3 \quad \frac{1}{CB \; B_2}$

- 4

((

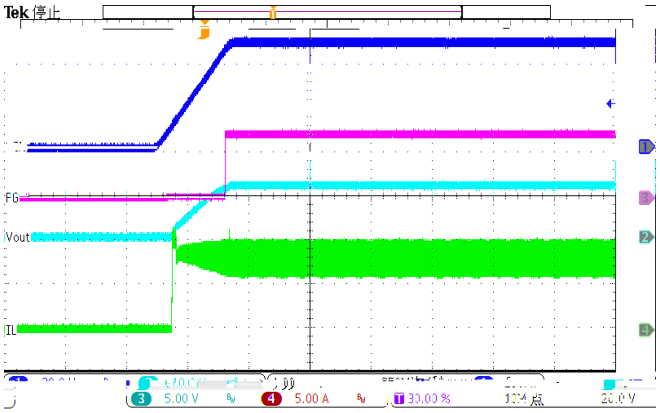
3* 3*

APPLICATION INFORMATION

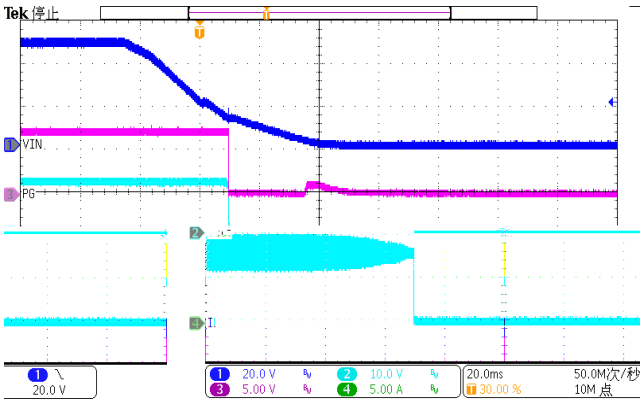


- (( ) /

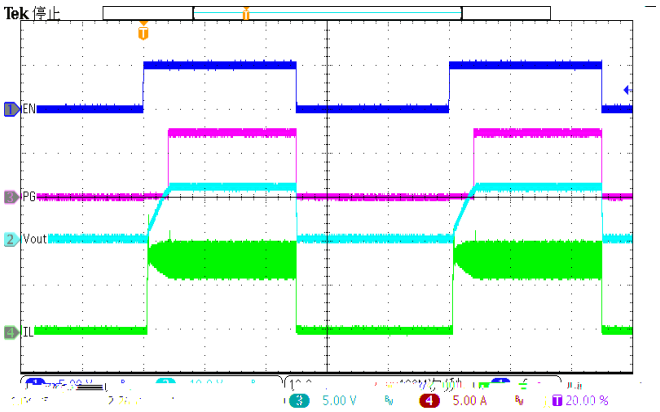
0	5
4 *	(
-	2/
((	
0	
0	


Tek 停止
PG
Vout
IL
5.00 V
5.00 A
30.00 %

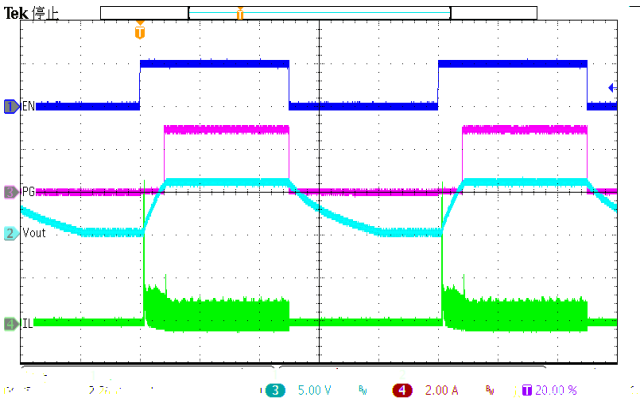
- 0 (


Tek 停止
VIN
PG
IL
20.0 V
20.0 V
5.00 V
10.0 V
5.00 A
20.0ms
50.0M次/秒
30.00 %
10M 点

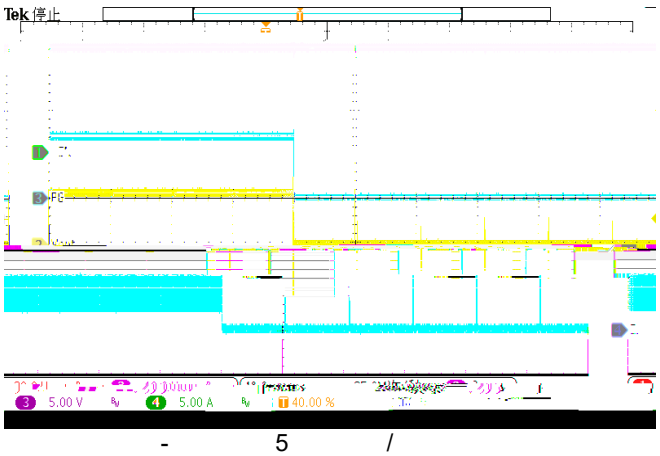
- 0 (


Tek 停止
EN
PG
Vout
IL
5.00 V
5.00 A
20.00 %

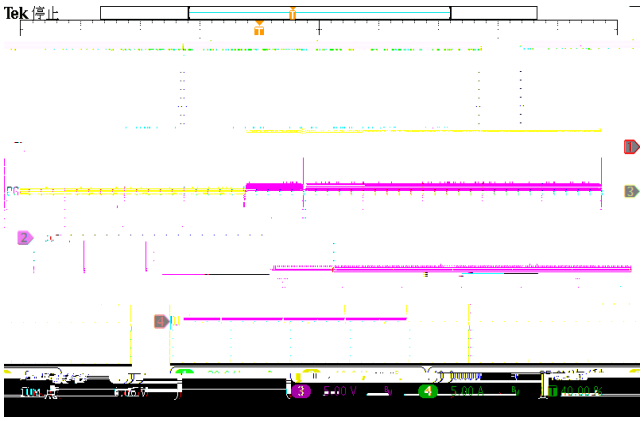
- , 0 (


Tek 停止
EN
PG
Vout
IL
5.00 V
2.00 A
20.00 %

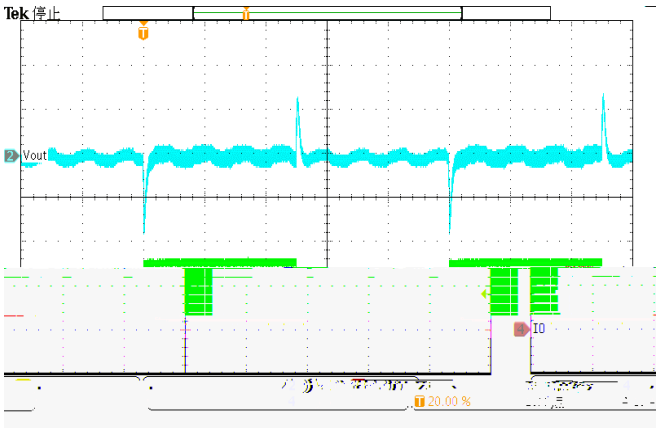
- , 0 (


Tek 停止
PG
5.00 V
5.00 A
40.00 %

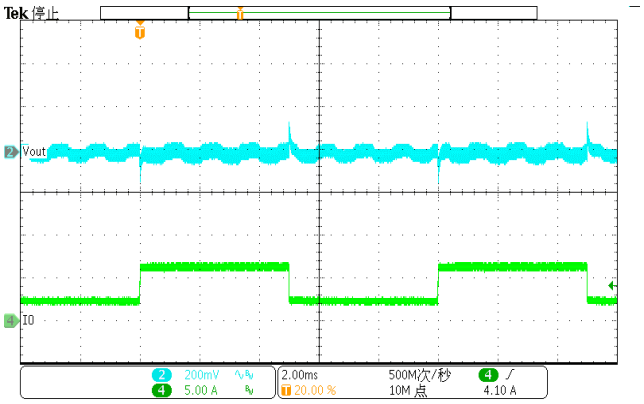
- 5 /


Tek 停止

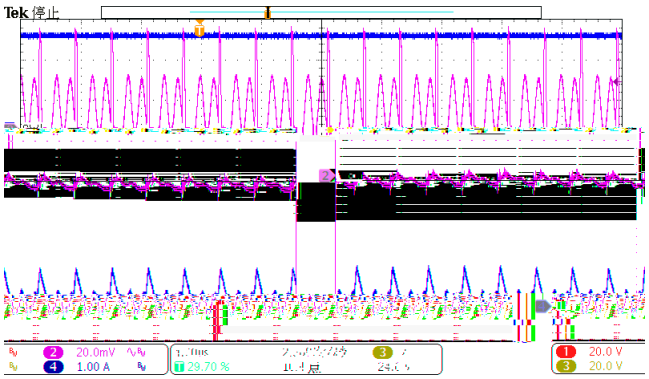
- /


Tek 停止
Vout
IO
20.00 %

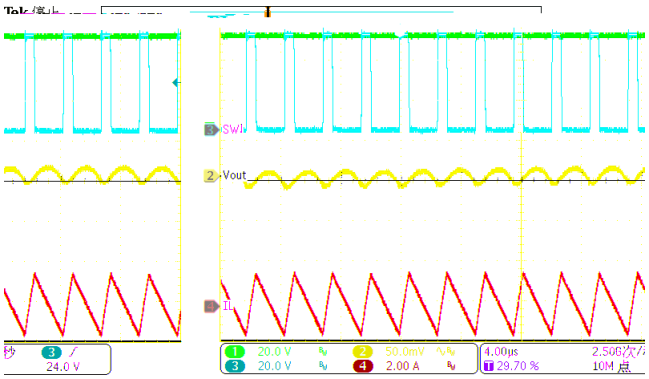
- 3 (((


Tek 停止
Vout
IO
200mV
5.00 A
2.00ms
20.00 %
500M次/秒
10M 点
4.10 A

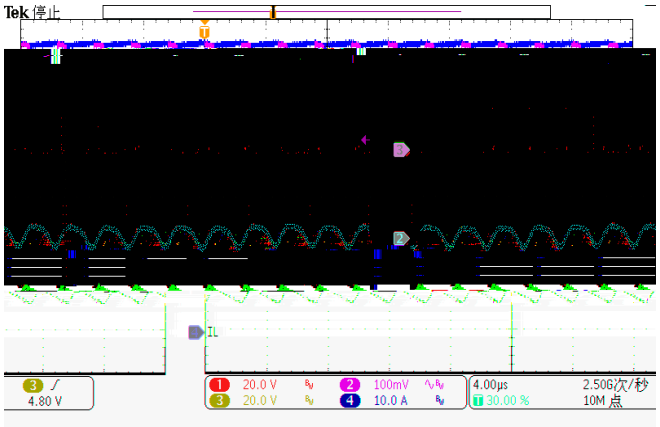
- 3 (((


Tek 停止
20.0mV
1.00 A
29.70 %
20.0 V
20.0 V

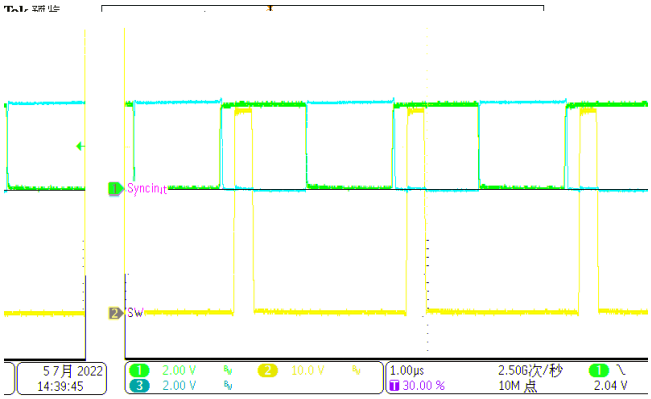
- +* 4 0 (


SW
Vout
IL
20.0 V
20.0 V
50.0mV
2.00 A
4.00µs
29.70 %
10M 点
24.0 V

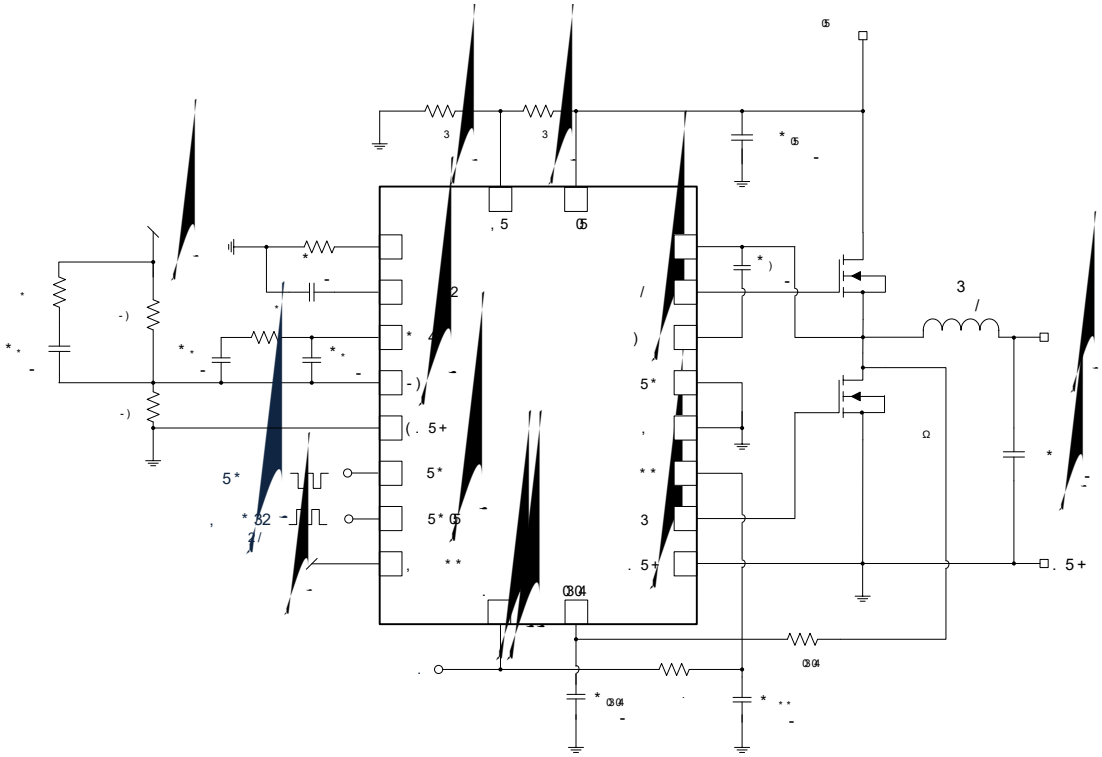
- -* * 4 0 (


Tek 停止
IL
4.80 V
20.0 V
20.0 V
100mV
10.0 A
4.00µs
30.00 %
2.50G次/秒
10M 点

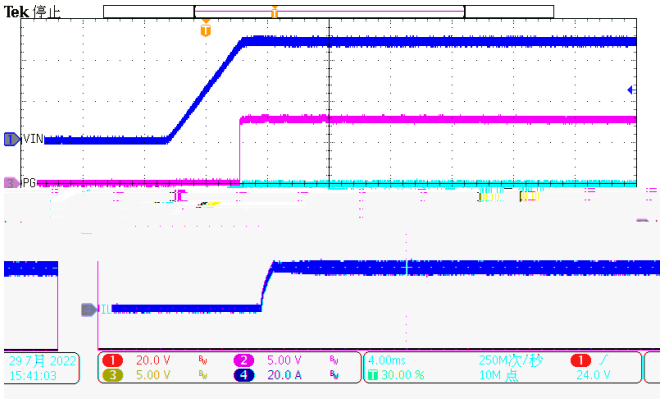
- 0 (


Syncinp
SW
5 月 2022
14:39:45
2.00 V
2.00 V
10.0 V
1.00µs
30.00 %
2.50G次/秒
10M 点
2.04 V

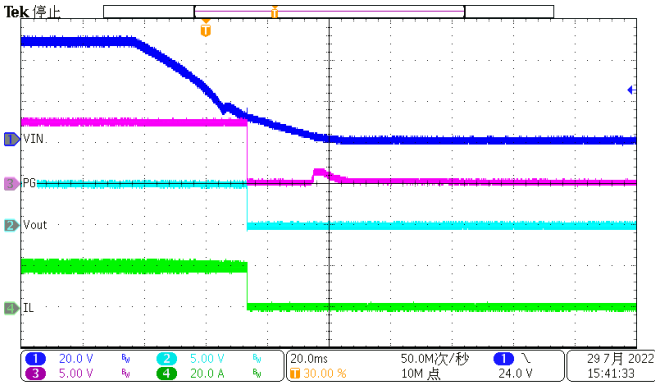
- 5* 5 5*



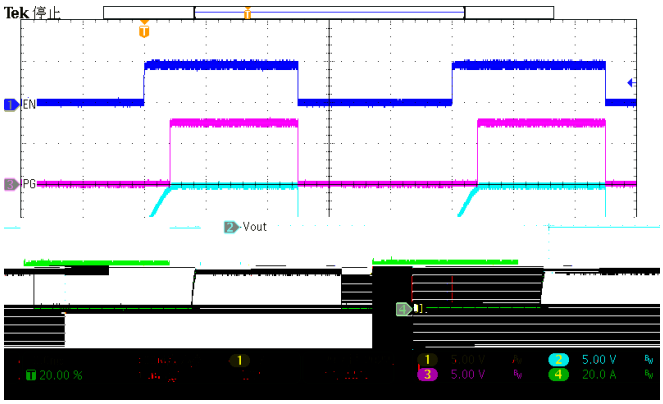
0	5
4 *	(
-	2/


Tek 停止
VIN
PG
IL
29 7月 2022
15:41:03
20.0 V
5.00 V
5.00 V
20.0 A
4.00ms
30.00 %
250M次/秒
10M 点
24.0 V

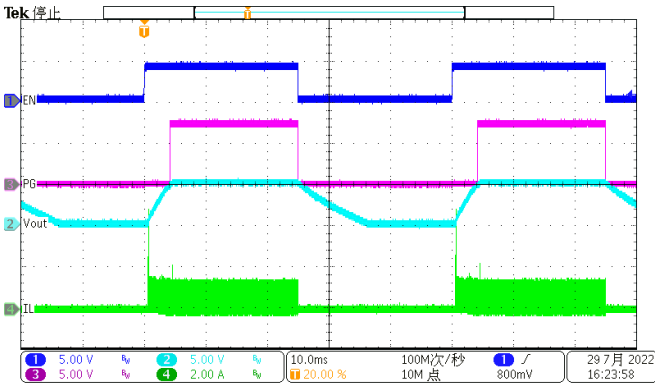
- 0 (


Tek 停止
VIN
PG
Vout
IL
20.0 V
5.00 V
5.00 V
20.0 A
20.0ms
30.00 %
50.0M次/秒
10M 点
24.0 V
29 7月 2022
15:41:33

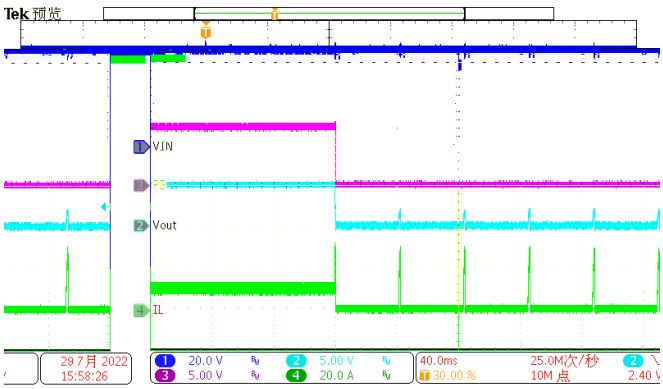
- 0 (


Tek 停止
EN
PG
Vout
20.00 %
5.00 V
5.00 V
20.0 A

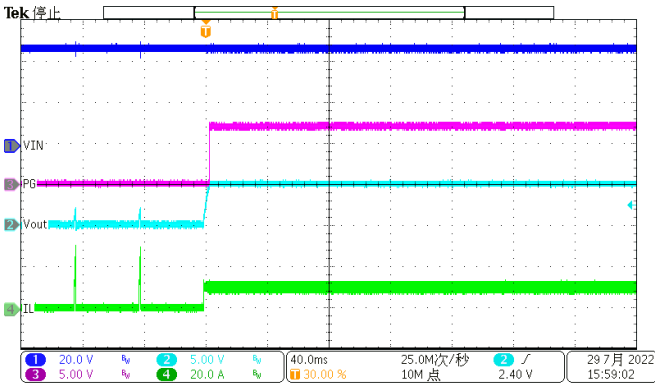
- , 0 (


Tek 停止
EN
PG
Vout
IL
5.00 V
5.00 V
5.00 V
2.00 A
10.0ms
20.00 %
100M次/秒
10M 点
800mV
29 7月 2022
16:23:58

- , 0 (


Tek 预览
VIN
PG
Vout
IL
29 7月 2022
15:58:26
20.0 V
5.00 V
5.00 V
20.0 A
40.0ms
30.00 %
25.0M次/秒
10M 点

- 5 /


Tek 停止
VIN
PG
Vout
IL
20.0 V
5.00 V
5.00 V
20.0 A
40.0ms
30.00 %
25.0M次/秒
10M 点
2.40 V
29 7月 2022
15:59:02

- /

- 3 (((- 3 (((

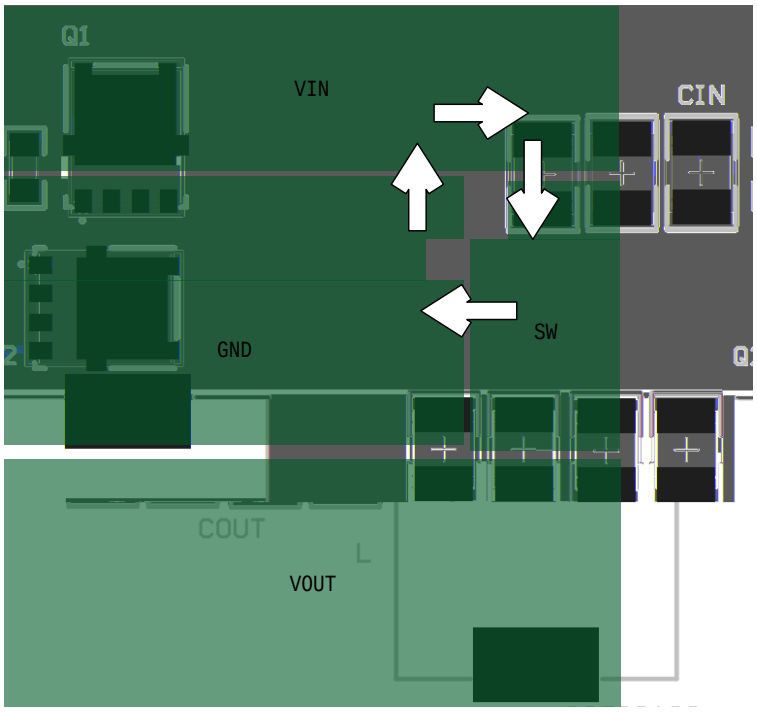
- +* 4 0 (- -* * 4 0 (

- 0 (

- *) -

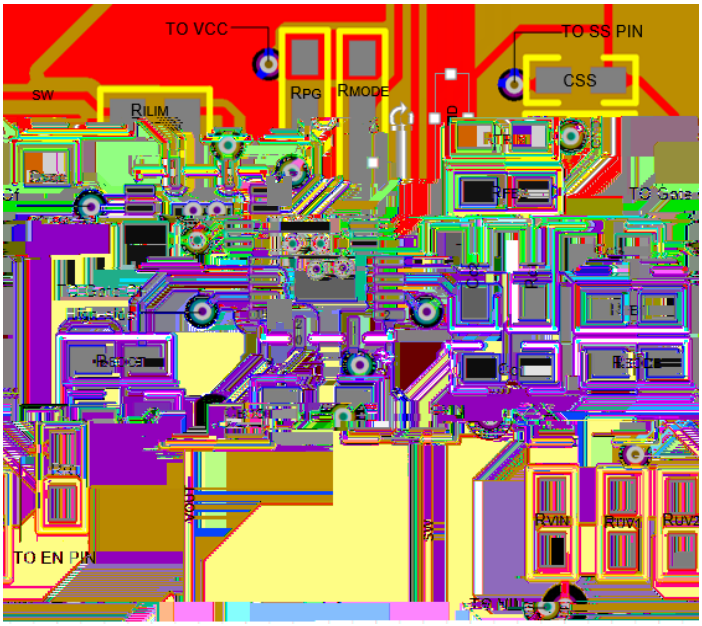
-

- , 4 0



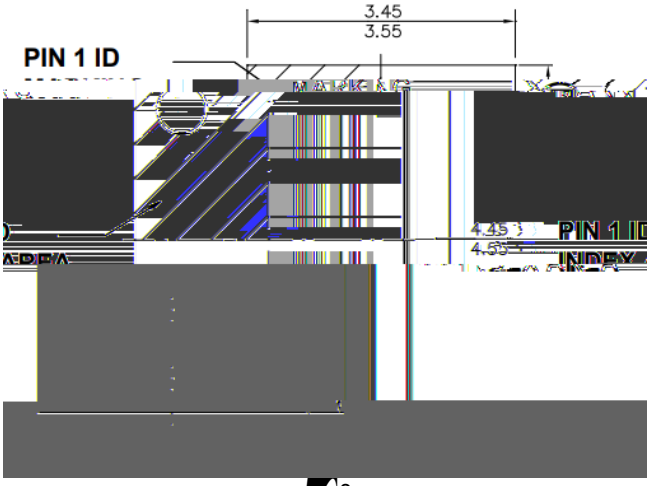
- *) 3

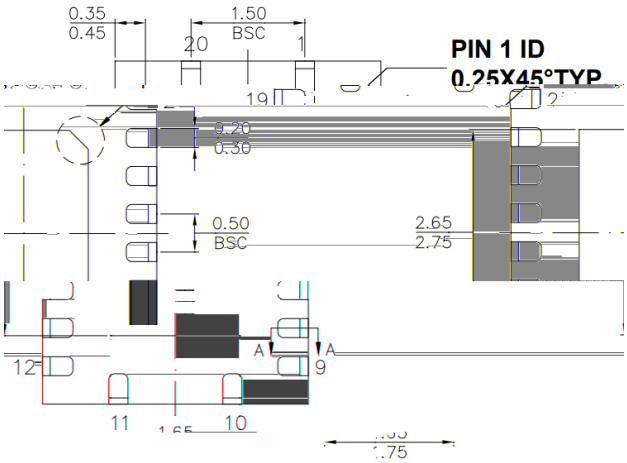
- *) * (0 . 5+
(. 5+ 0

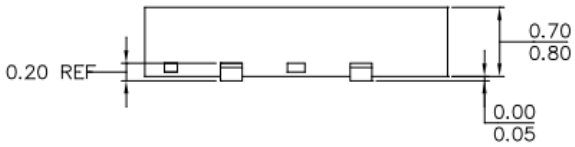


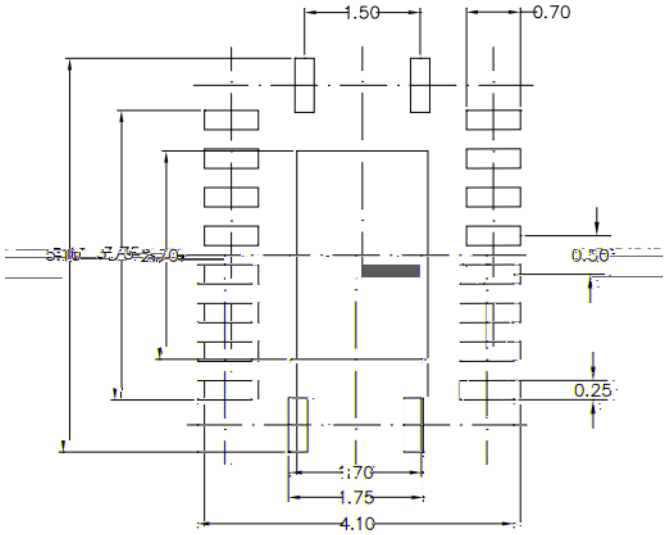
- * *) 3

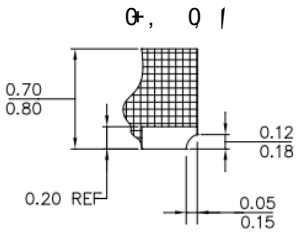
PACKAGE INFORMATION



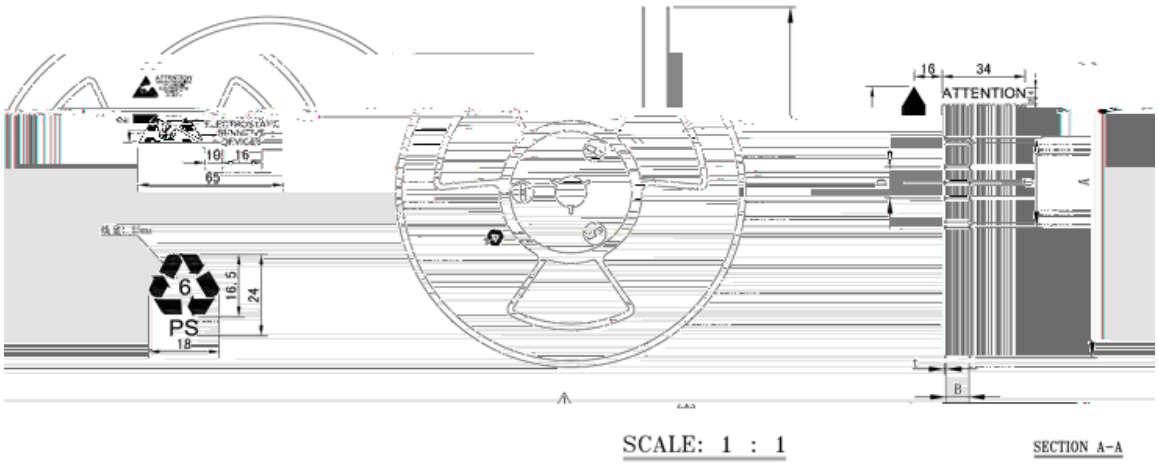






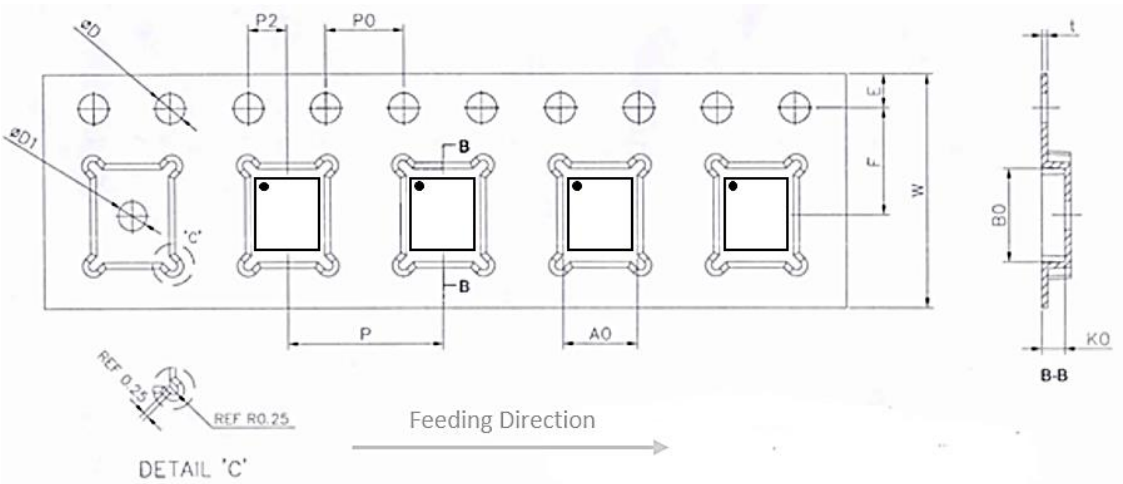


TAPE AND REEL INFORMATION



, , 3 + 0 4 , 5 0 5

	(	)	*	+	



(, + 0 4 , 5 0 5

	(	)	2		

,	-		+	+		
				4 0 5		