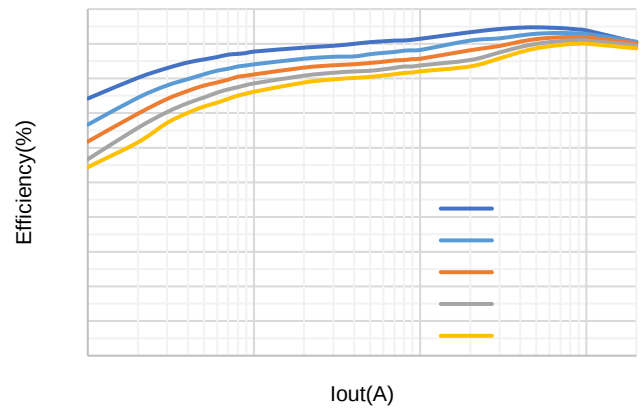
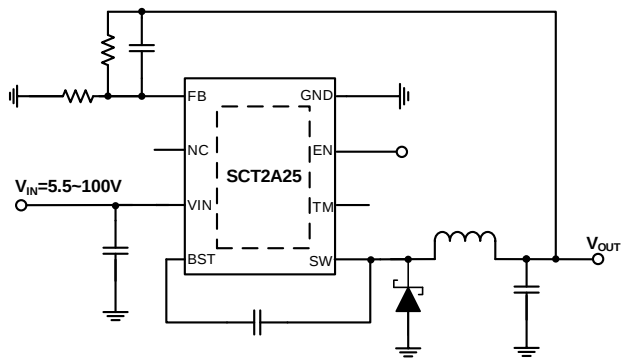


5.5V-100V Vin, 4A Peak Current Limit, High Efficiency Asynchronous Step-down DCDC Converter

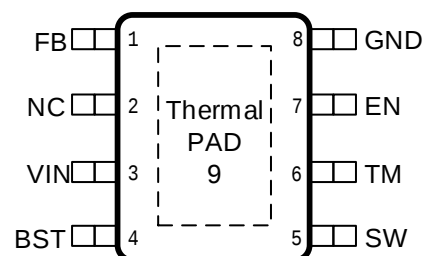
- 2
- *
- 2 1 / . / . *
- *
- / 2 41
- , , 2
- 2 1
- , ,
- *
- 0
- .
- - -
- 2 +



&

1	*		*			

2 +			
+			
/ +			
.			
0			,
3			,
			,



(3) 2

/ +		2 0 - / +
,		,
2		2 2 , 0 - 2 0 -
+		+ + / . , /
		/ .
		,

		,
.		/
0 -		0
		1 0 -
		, +

2	2			
3				,

	1 + 1 + * 23. - . , 3			
.	, - , - * 23. - . , 3			
(1) 3. - . , 3. 1 + . -				
(2) 3. - . , 3. , - . -				

3*	3		
3,	3		,

, 3* 3, 3* 3,

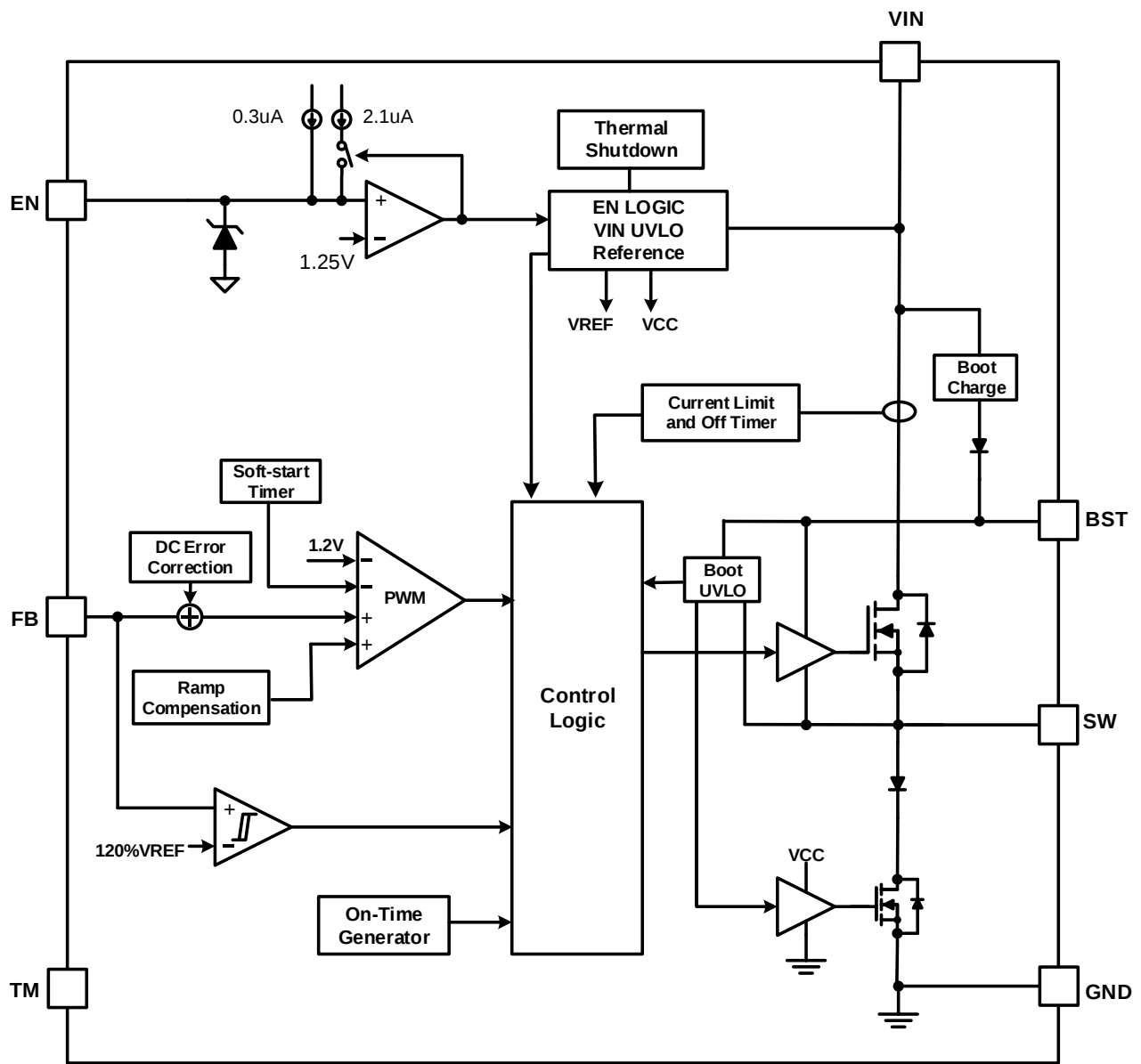
, + , *

, * ,

3* 3,

, + , +

2 &	3&	,	,	,		
2						
	2	1	2			
21-	2	.	&			*
2	2	.	+	&		*
- 1	1	/.	+	&		
.	/	/ +				
.	1	.				
.	1	.				
2		.	.	&		*
2 1	.	.	.	&		*
2 1	.					*
.	.	.	/	*	,	.
	2					
/						1
// 2						
22	1	/.	3&	,		*
			3&	,		*
	/	/ + . /				
		/ + . /				
-		3				,
		1				,



, *

±

/+ 2

1

$I_{DE} \quad \frac{D \cdot I}{DI}$

- /+
- /+ +

/+

/+

, *

2 .

*

+

/.
/.

/.

/.

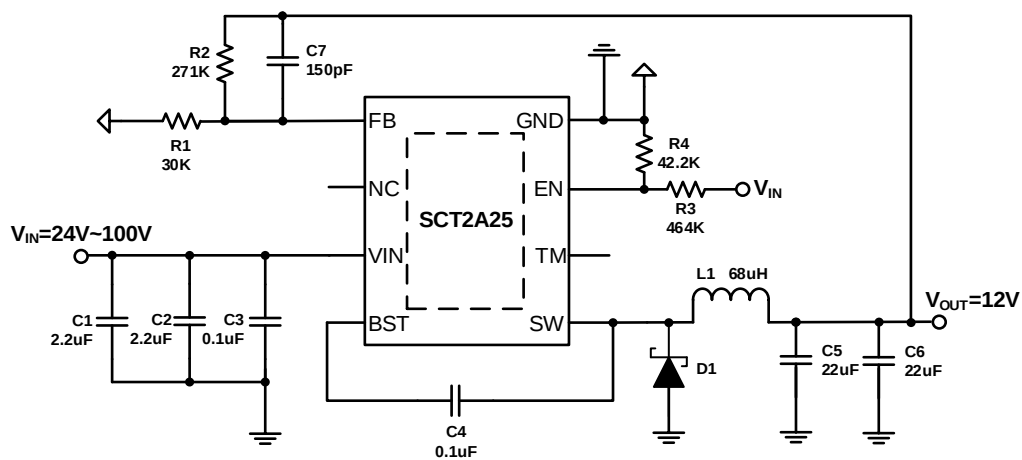
/.

/

/

, *

*



2	
	*
/	41

4

D I

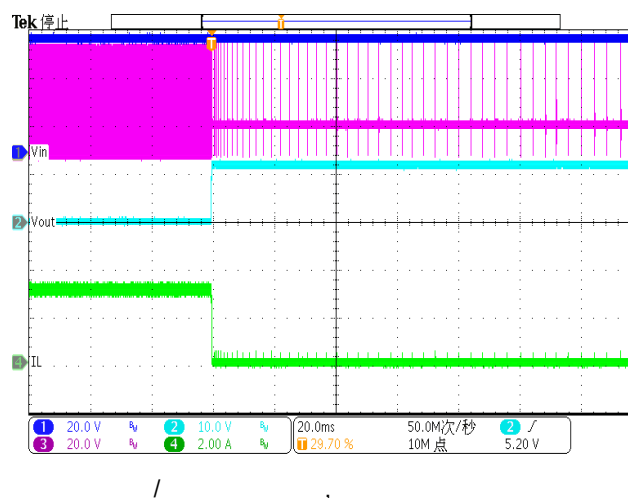
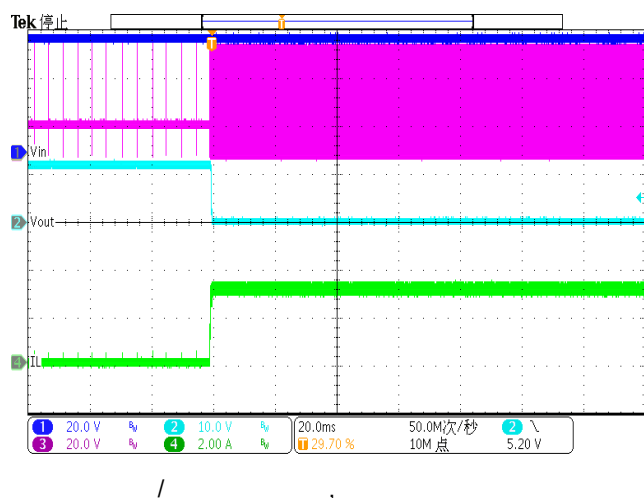
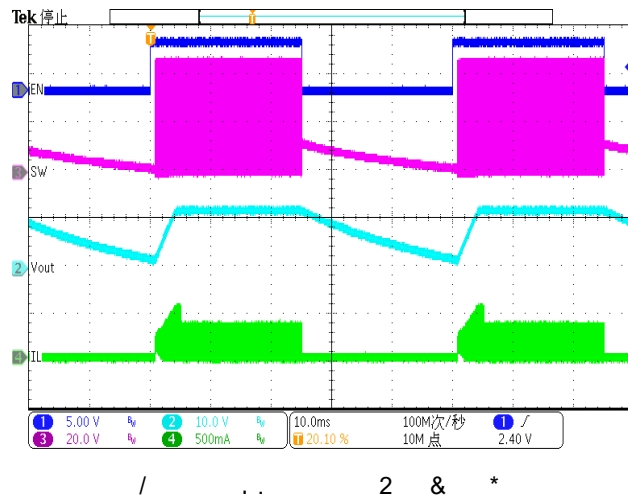
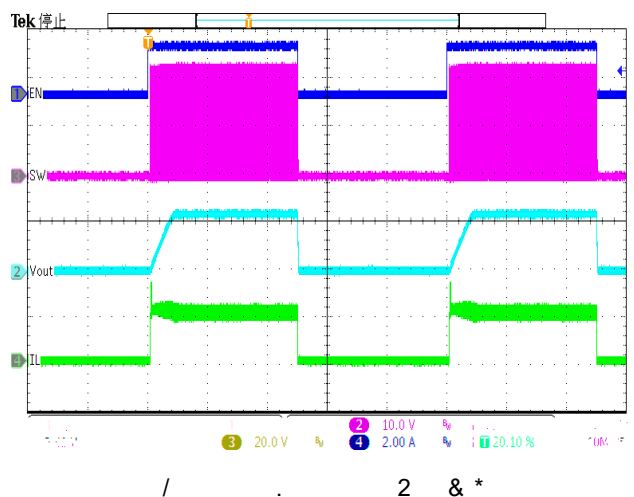
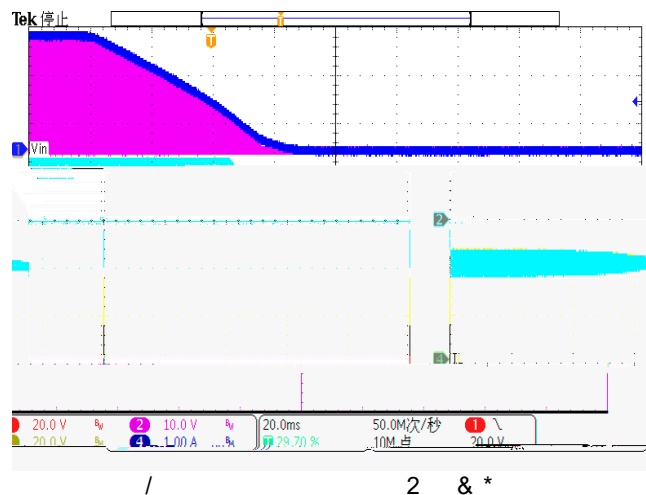
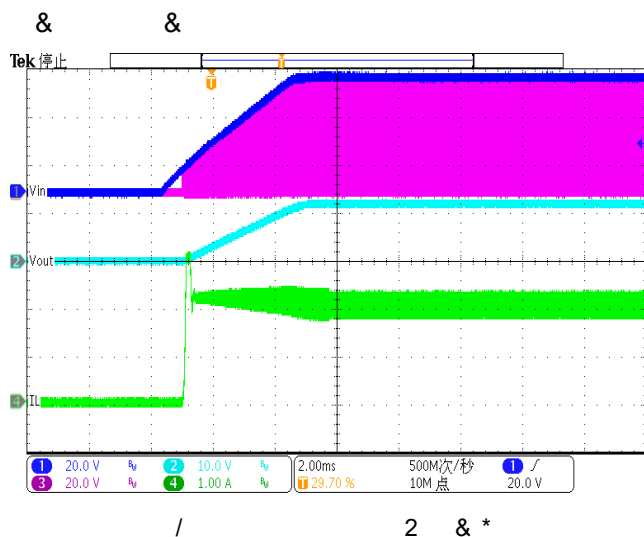
	4	4
	4	4
	4	4

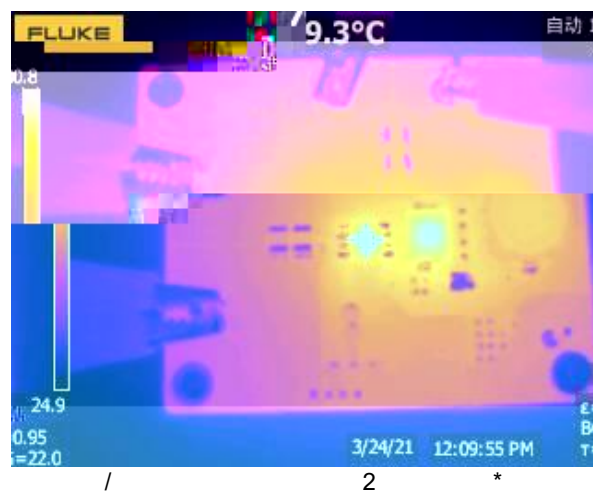
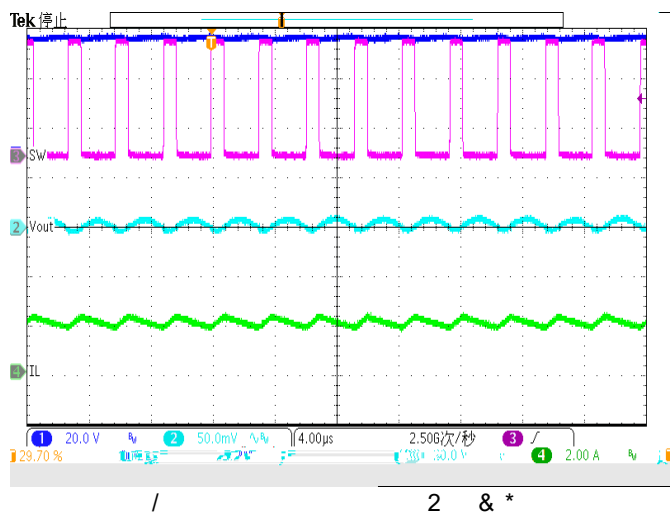
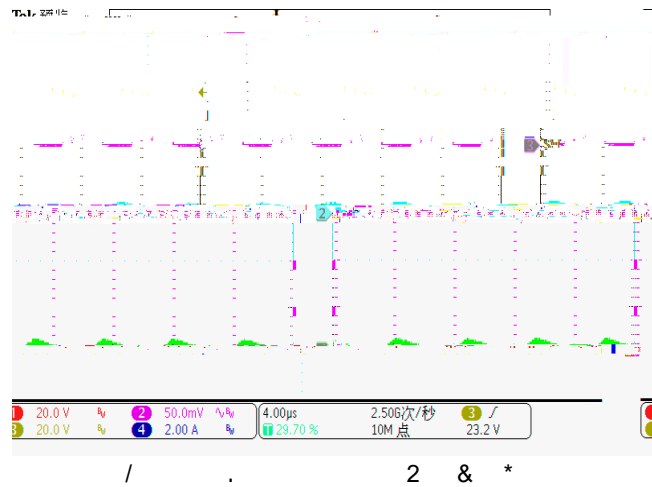
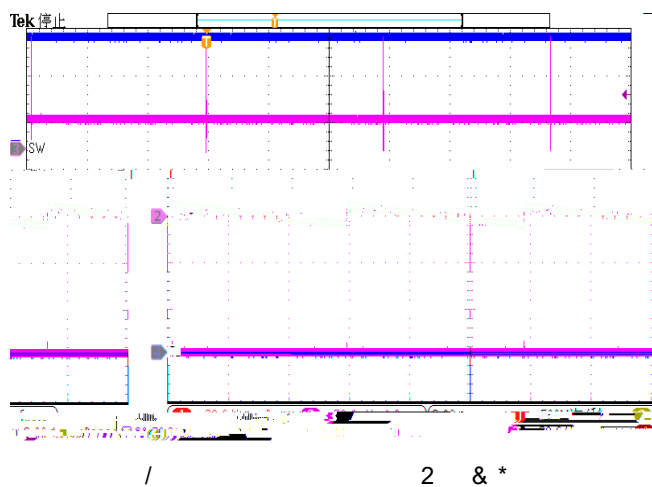
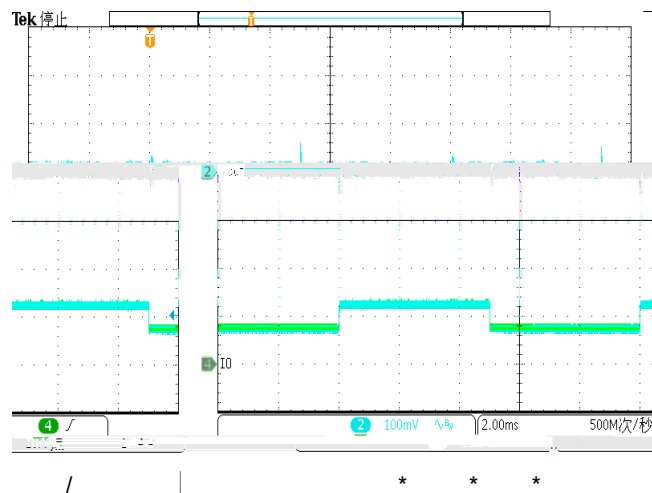
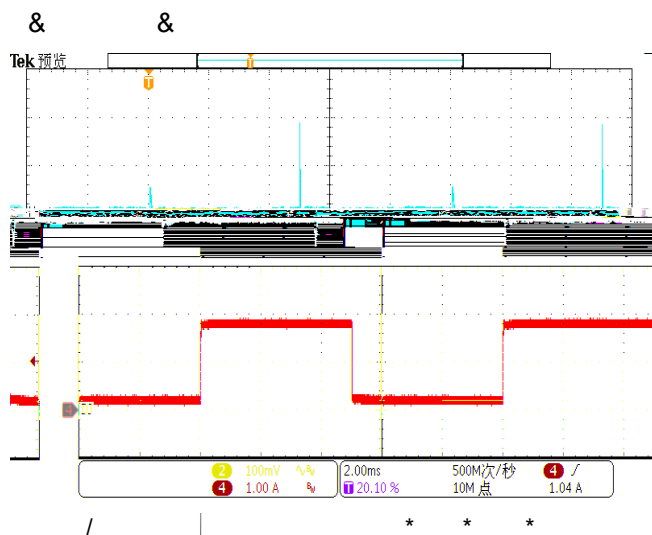
• . /

*

| | . | .

$$\begin{array}{r} D \ I \quad C \quad D \ I \\ \hline 7 \quad HL \quad D \ I \quad C \end{array}$$





, +

*,

/

1.

, +

2.

2

3. /

4.

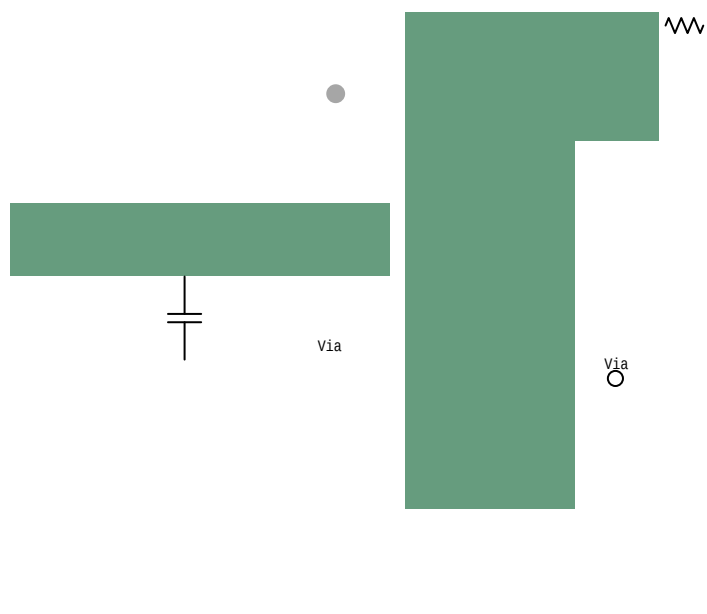
, +

2

5.

, +

6. +



/

, +

•

