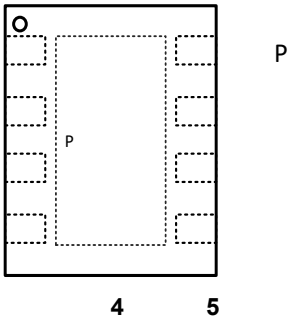
Release to production.
Update the ELECTRICAL CHARACTERISTICS.

				8	Tape & Reel, 5000



4	5	

4 4			4	

4 4			4	

(1)

(2)

4 4			4	

(1)
(2)

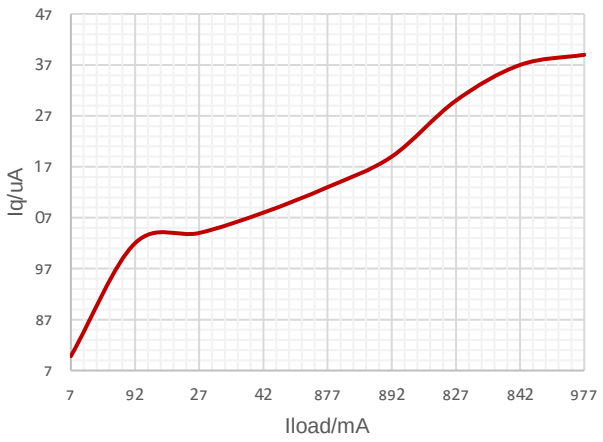
PARAMETER	4		UNIT
R_{JA_EVM}			

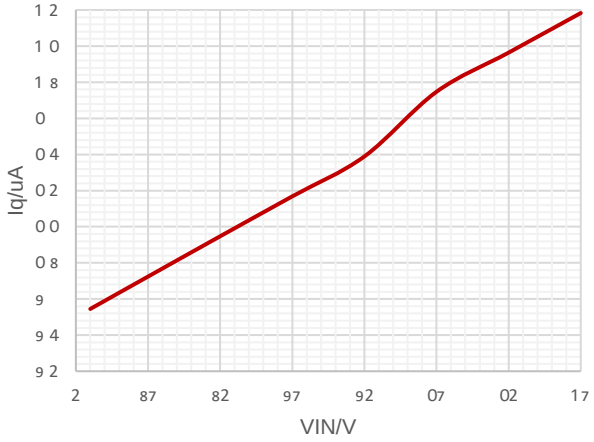
(1)

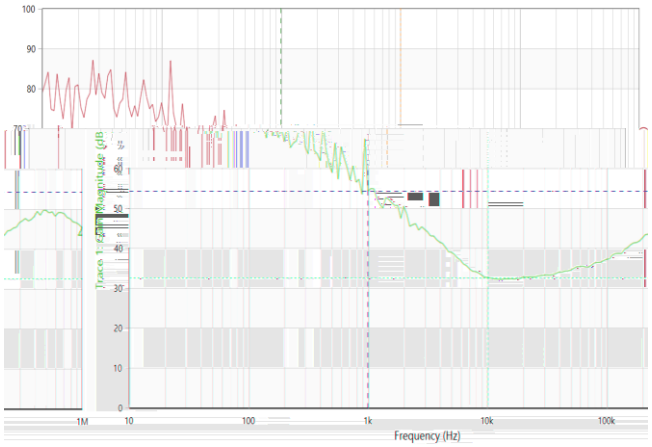
(2)

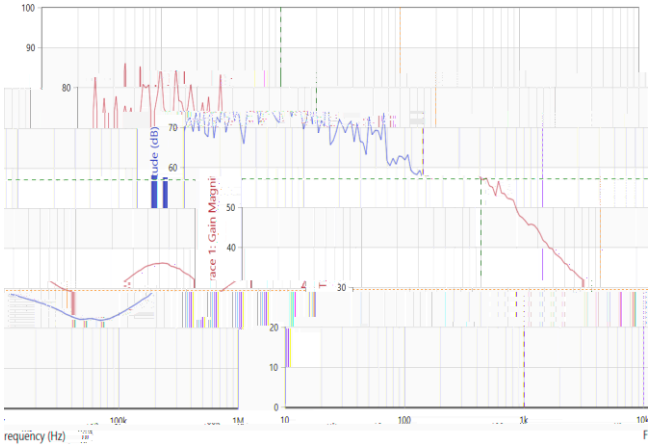
(3)

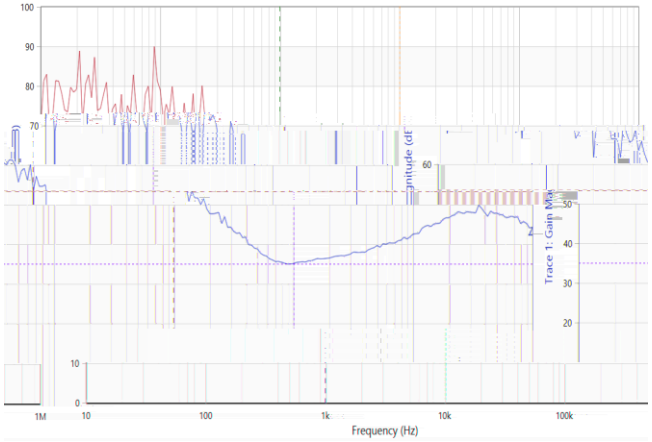
5	

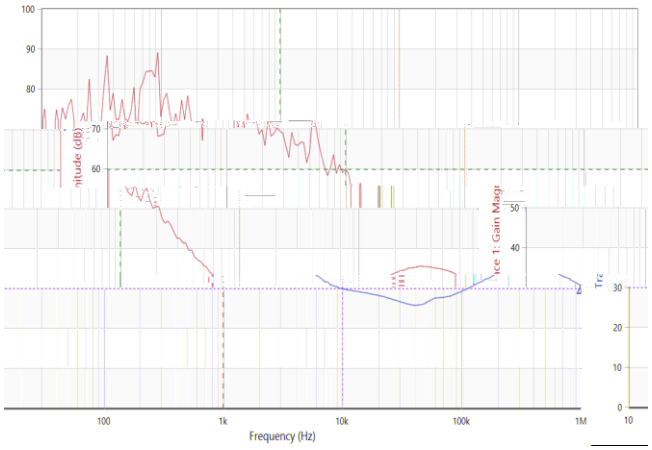

47
37
27
17
07
97
87
7
Iq/uA
7
92
27
42
877
892
827
842
977
Iload/mA


1 2
1 0
1 8
0
0 4
0 2
0 0
0 8
9
9 4
9 2
Iq/uA
2
87
82
97
92
07
02
17
VIN/V


Frequency (Hz)




Frequency (Hz)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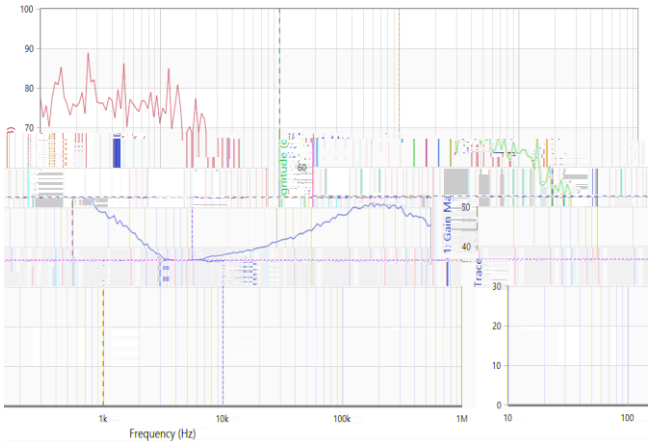
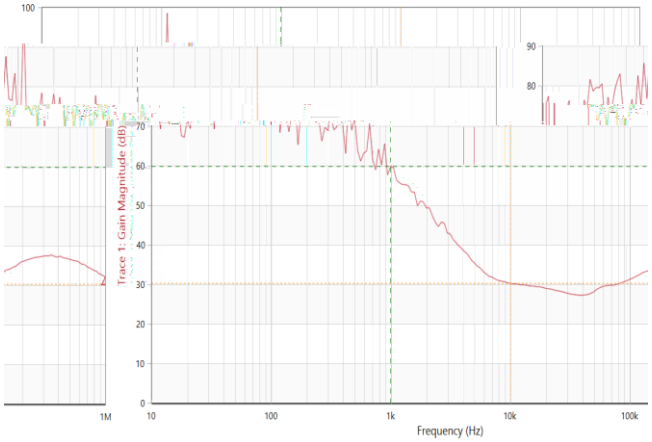
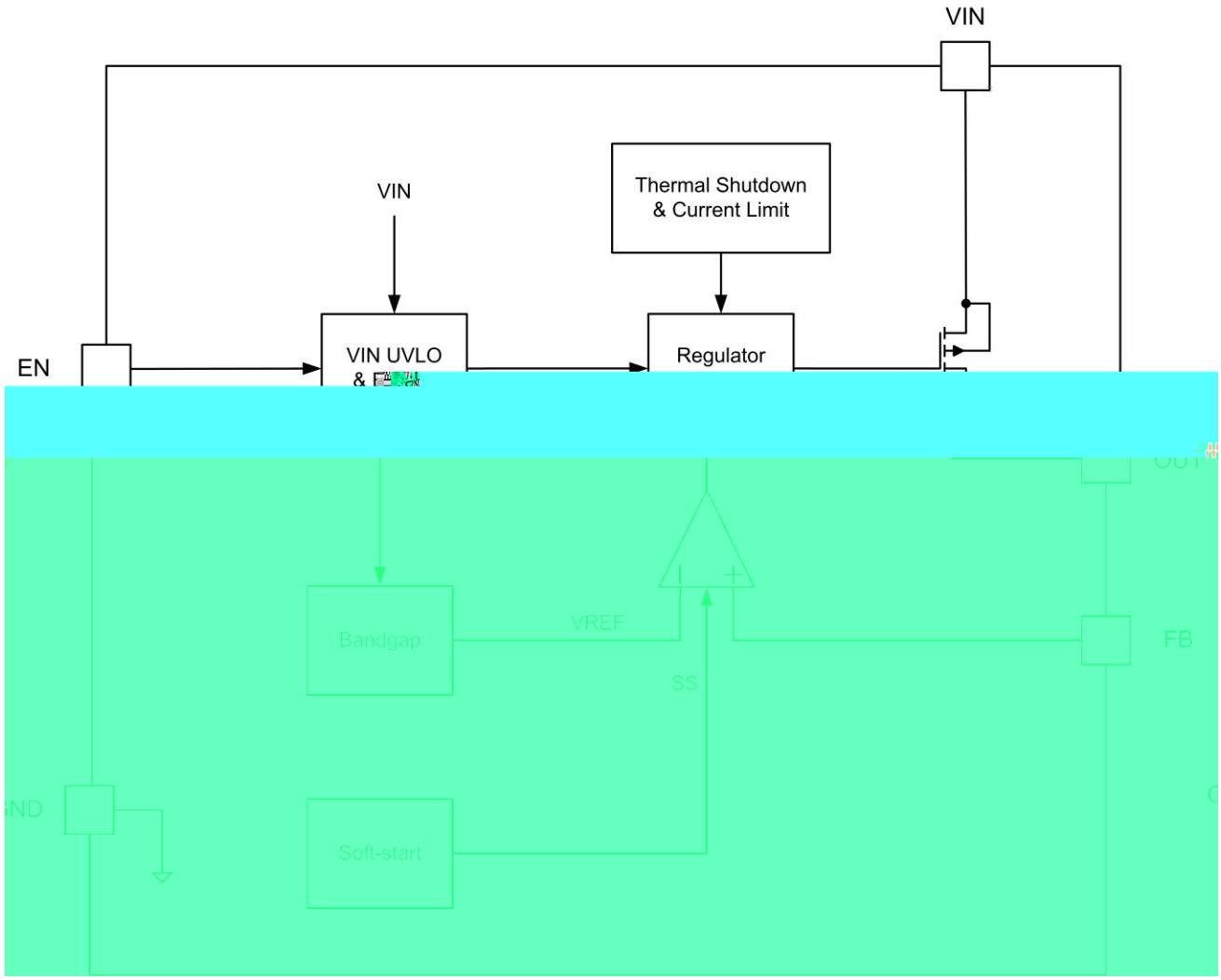
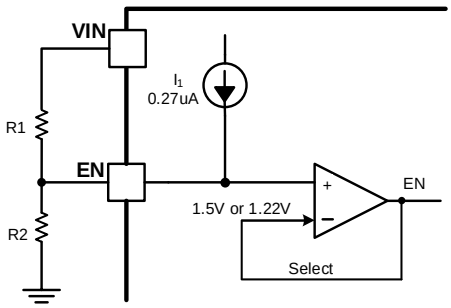

Frequency (Hz)


Trace 1: Gain Magnitude (dB)
Frequency (Hz)


VIN
VIN
Thermal Shutdown
& Current Limit
EN
VIN UVLO
Regulator
Bandgap
VREF
FB
SS
Soft-start

The SCT71402Q series products provide adjustable output version which can adjust the output voltage from 1.215V to 25V



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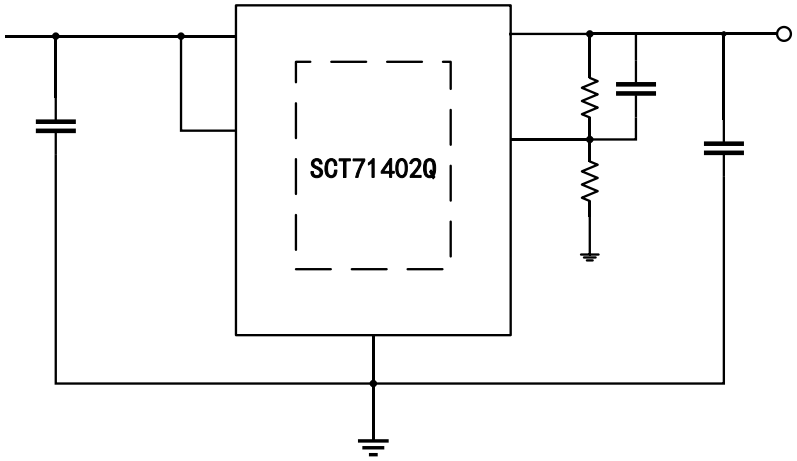
SCT71402Q

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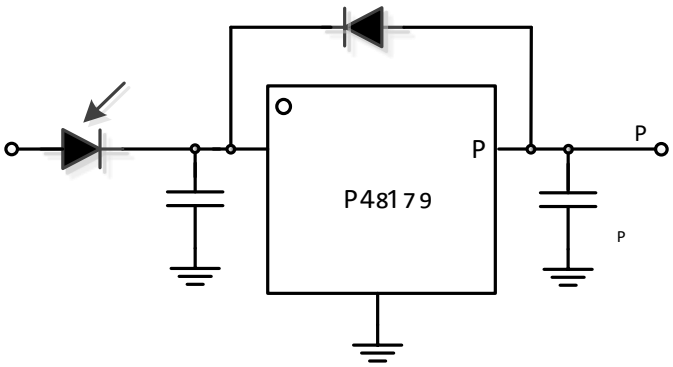
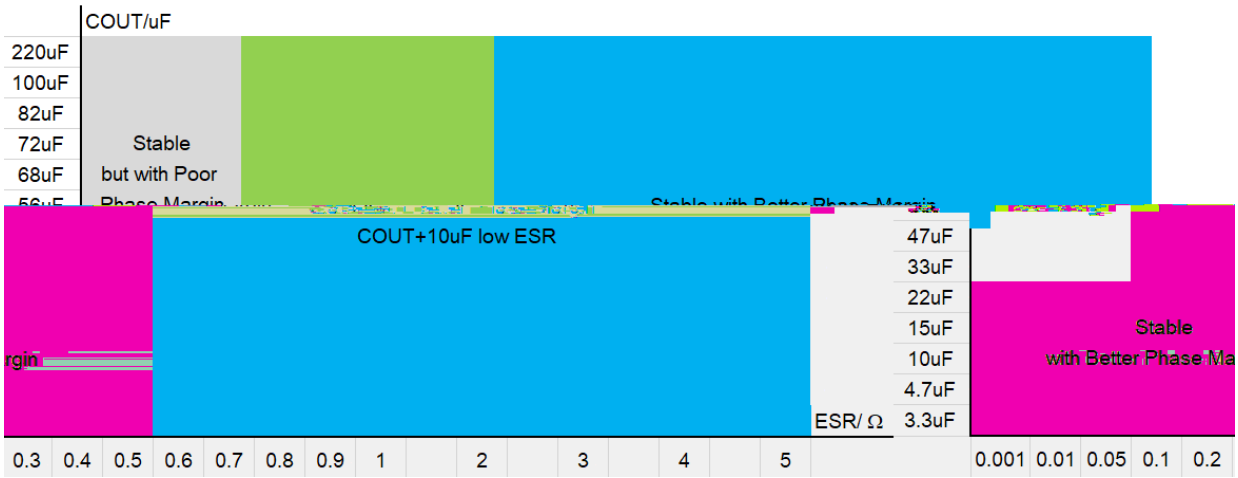
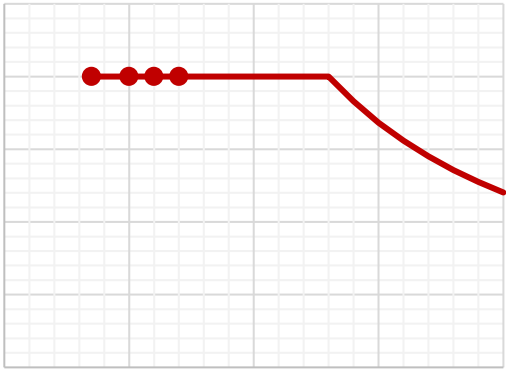

P
P
P48179
P


COUT/uF
220uF
100uF
82uF
72uF
68uF
Stable
but with Poor
COUT+10uF low ESR
47uF
33uF
22uF
15uF
10uF
4.7uF
3.3uF
ESR/ Ω
Stable
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
2
3
4
5
0.001
0.01
0.05
0.1
0.2

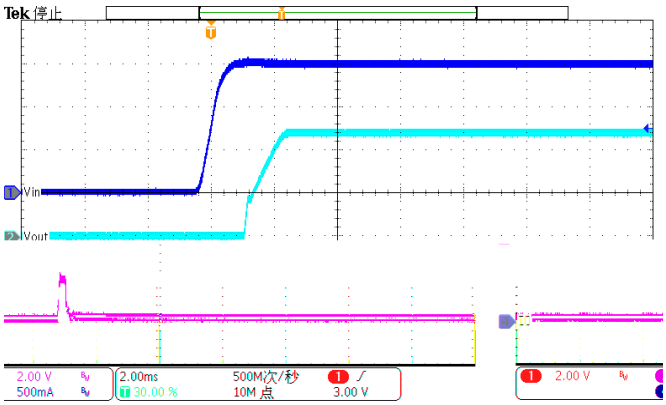
5

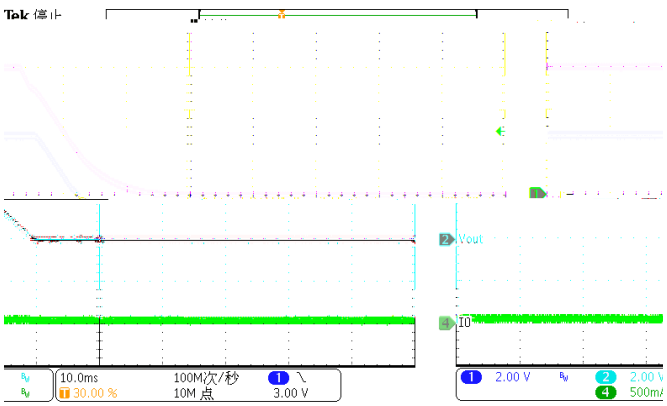
	4 0(	4 (℃	4 ℃

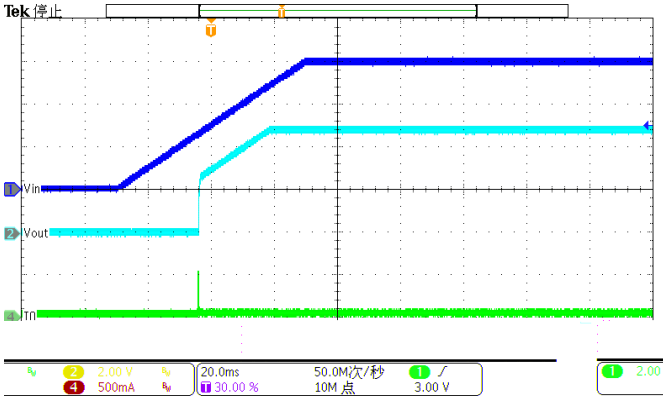


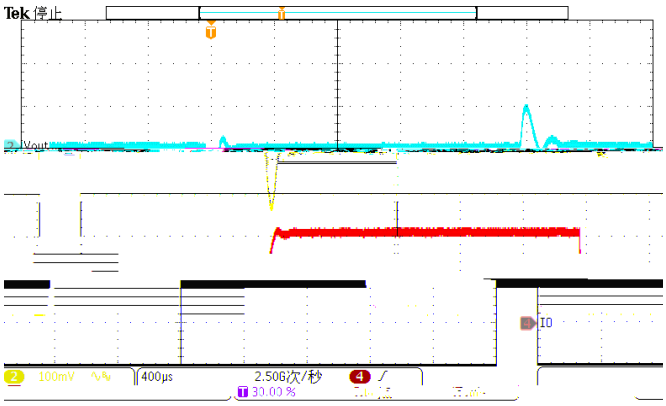
℃

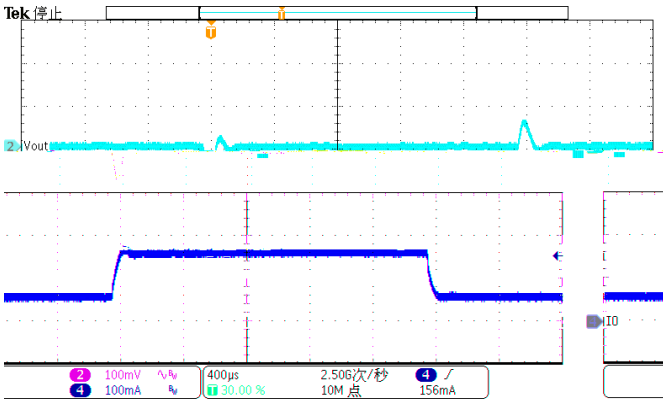
4

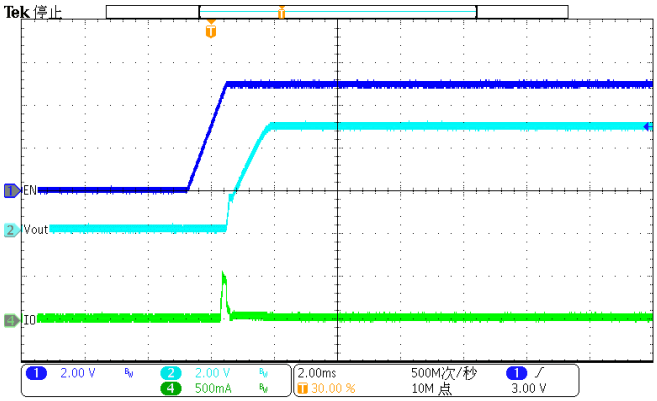

Tek 停止
Vin
Vout
IO
2.00 V
500mA
2.00ms
30.00 %
500M次/秒
10M 点
3.00 V
2.00 V

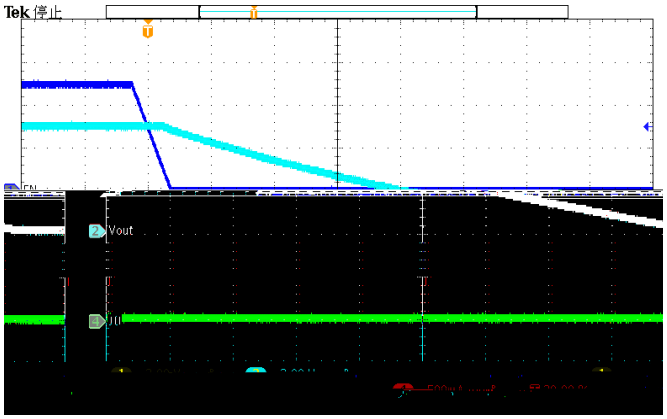

Tek 停止
Vout
IO
10.0ms
30.00 %
100M次/秒
10M 点
3.00 V
2.00 V

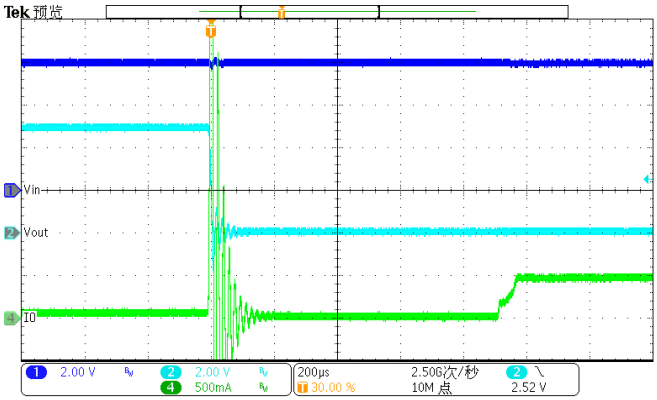

Tek 停止
Vin
Vout
IO
2.00 V
500mA
20.0ms
30.00 %
50.0M次/秒
10M 点
3.00 V

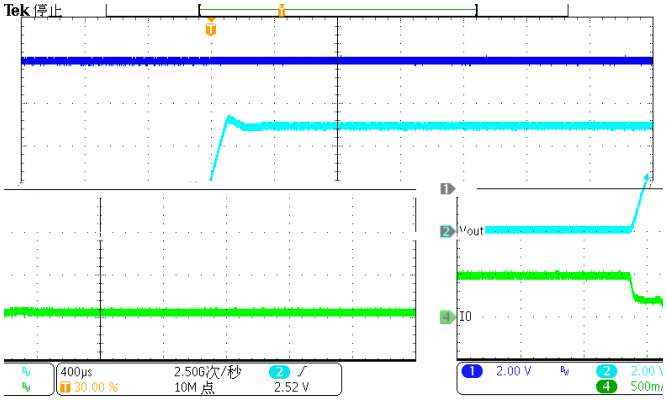

Tek 停止
Vout
IO
100mV
400µs
30.00 %
2.50G次/秒

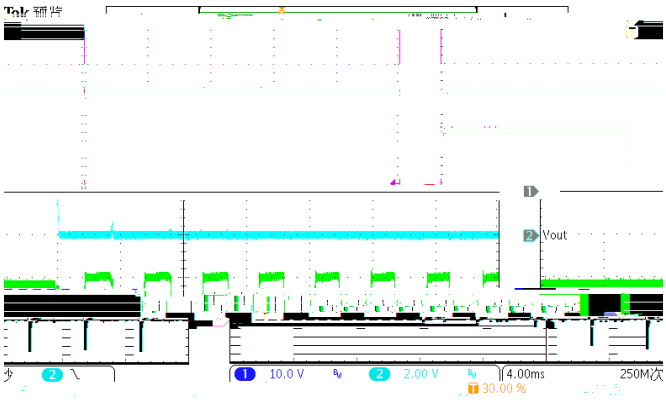

Tek 停止
Vout
IO
100mV
100mA
400µs
30.00 %
2.50G次/秒
10M 点
156mA

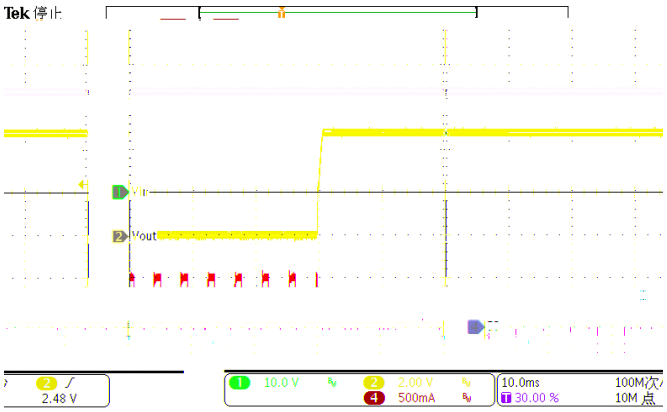

Tek 停止
EN
Vout
IO
2.00 V
2.00 V
500mA
2.00ms
30.00 %
500M次/秒
10M 点
3.00 V


Tek 停止
Vout
IO


Tek 预览
Vin
Vout
IO
2.00 V
2.00 V
500mA
200µs
30.00 %
2.50G次/秒
10M 点
2.52 V


Tek 停止
Vout
IO
400µs
30.00 %
2.50G次/秒
10M 点
2.52 V
2.00 V

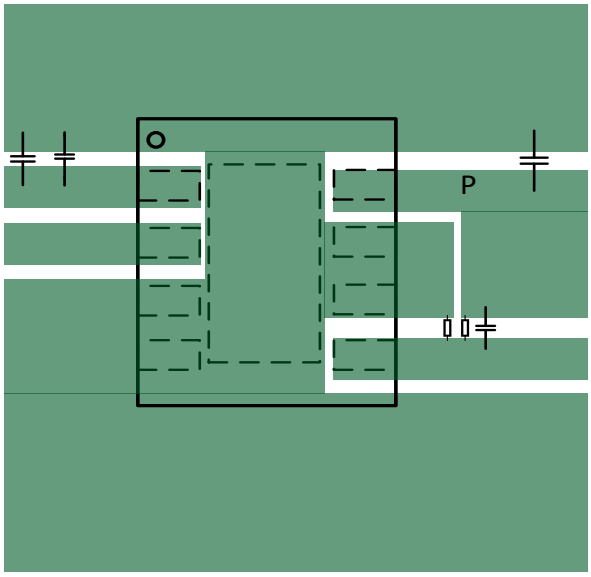

Tek 预览
Vout
10.0 V
2.00 V
4.00ms
30.00 %
250M次


Tek 停止
Vin
Vout
2.48 V
10.0 V
2.00 V
500mA
10.0ms
30.00 %
100M次/
10M 点

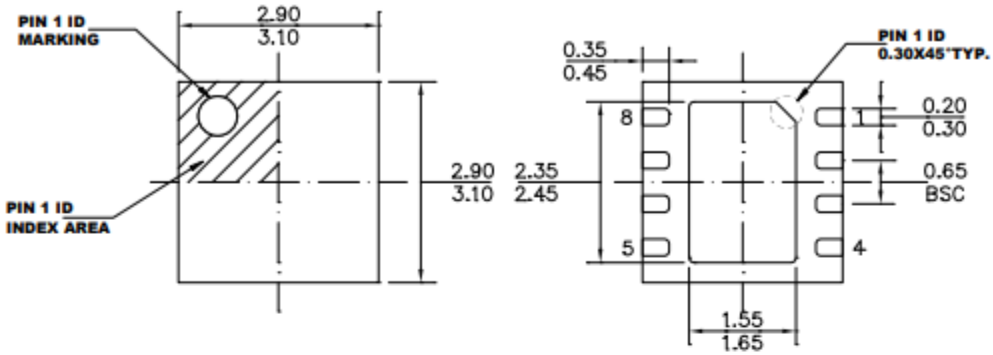
1.
2.

3.
4.

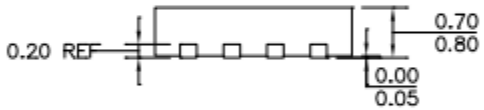
5.



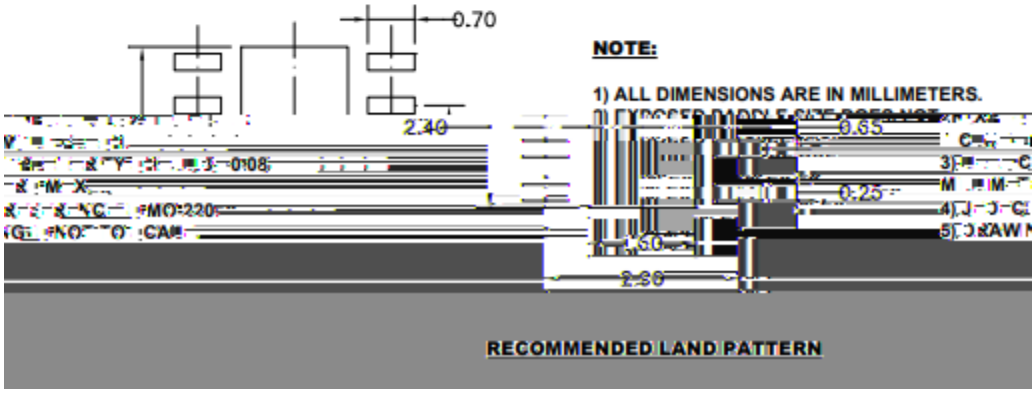
4 **5**



TOP VIEW **BOTTOM VIEW**



SIDE VIEW



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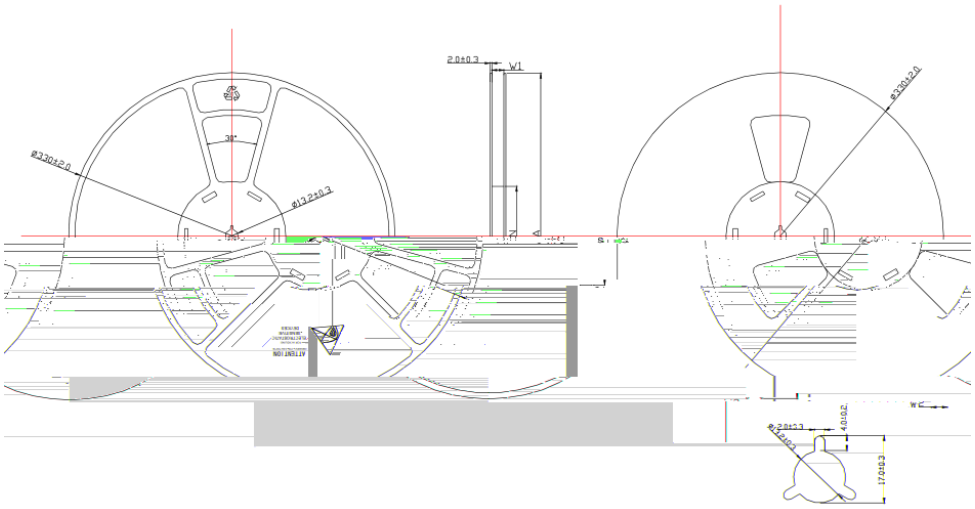
1.
2.
3.
4.
5.
6.



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