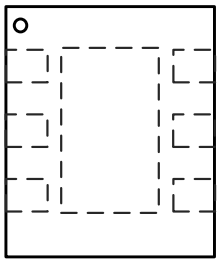
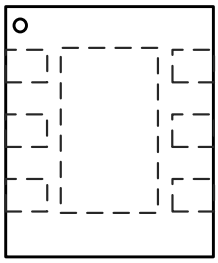
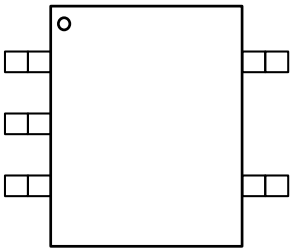
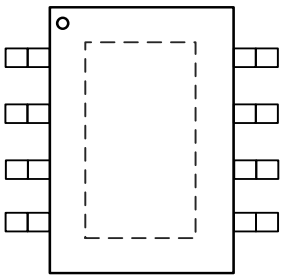
3V-40V Vin, 300mA, 2.4uA I_Q, Low-Dropout Regulator with PG Feature









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(1)

(2)

(3)

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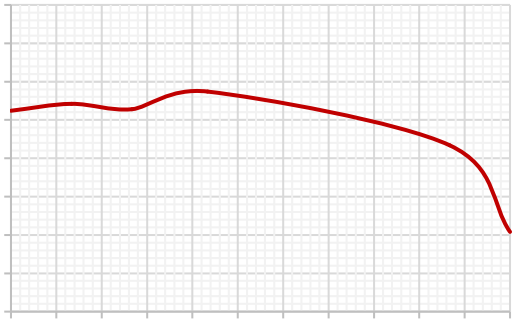
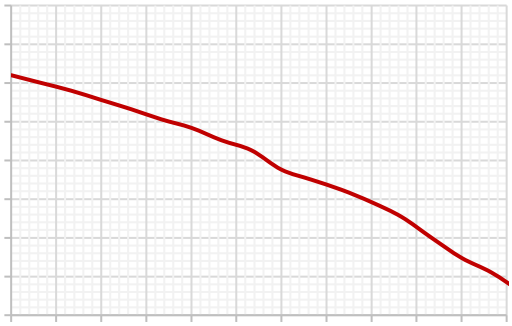
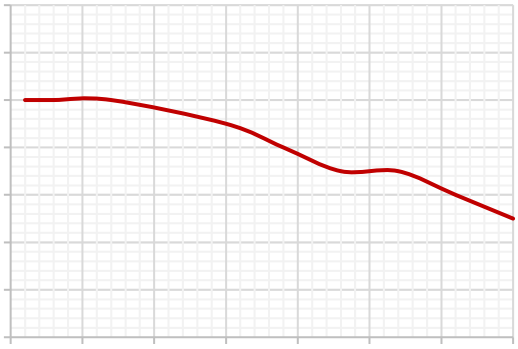
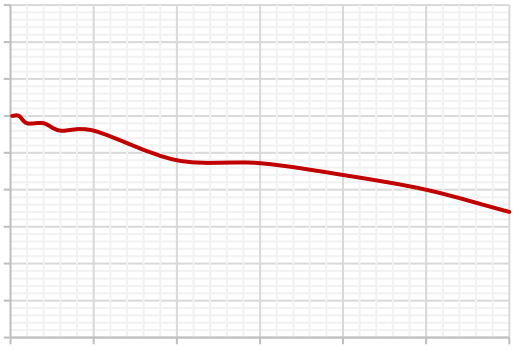
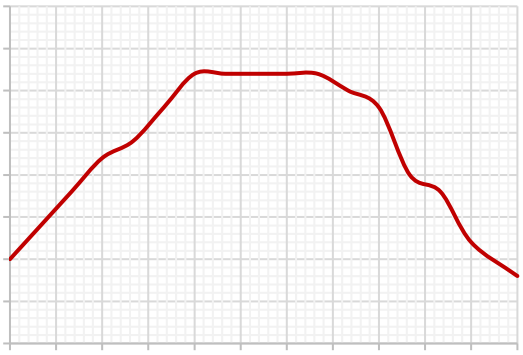
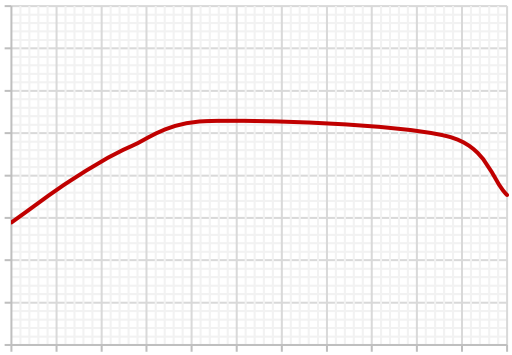


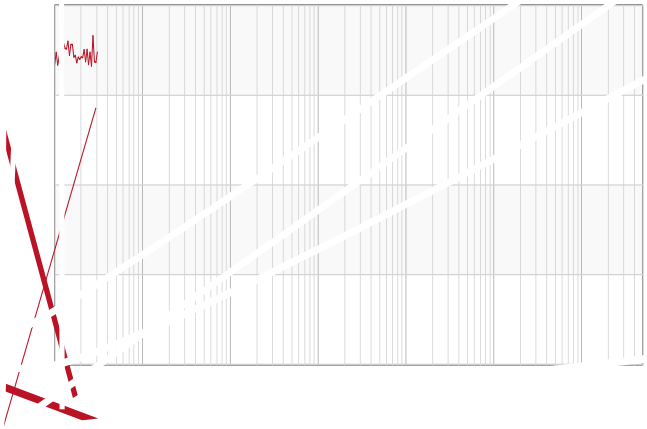


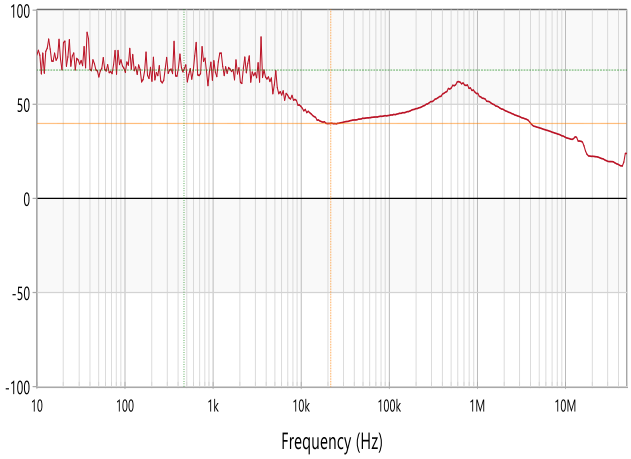


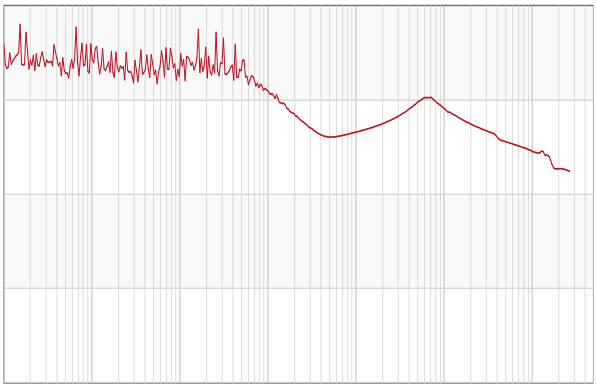


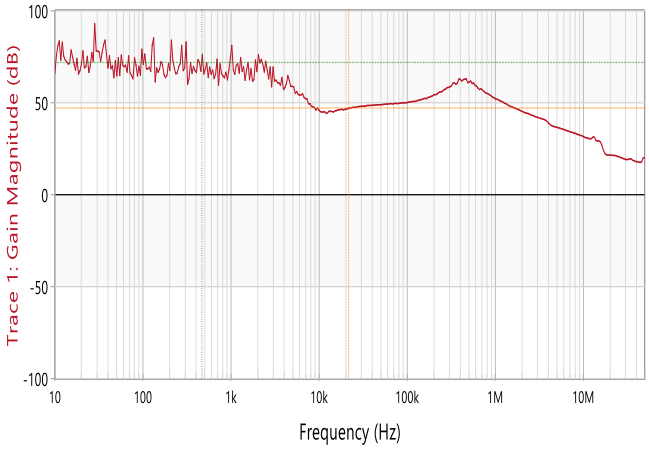


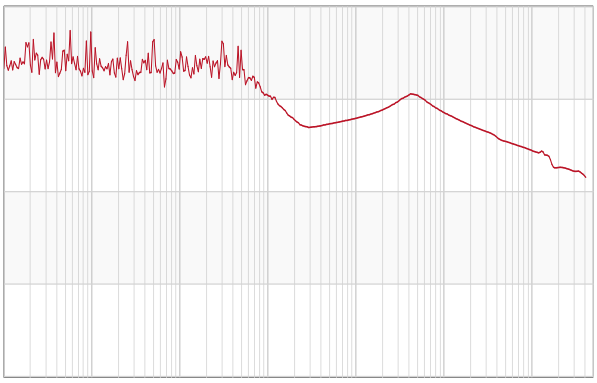


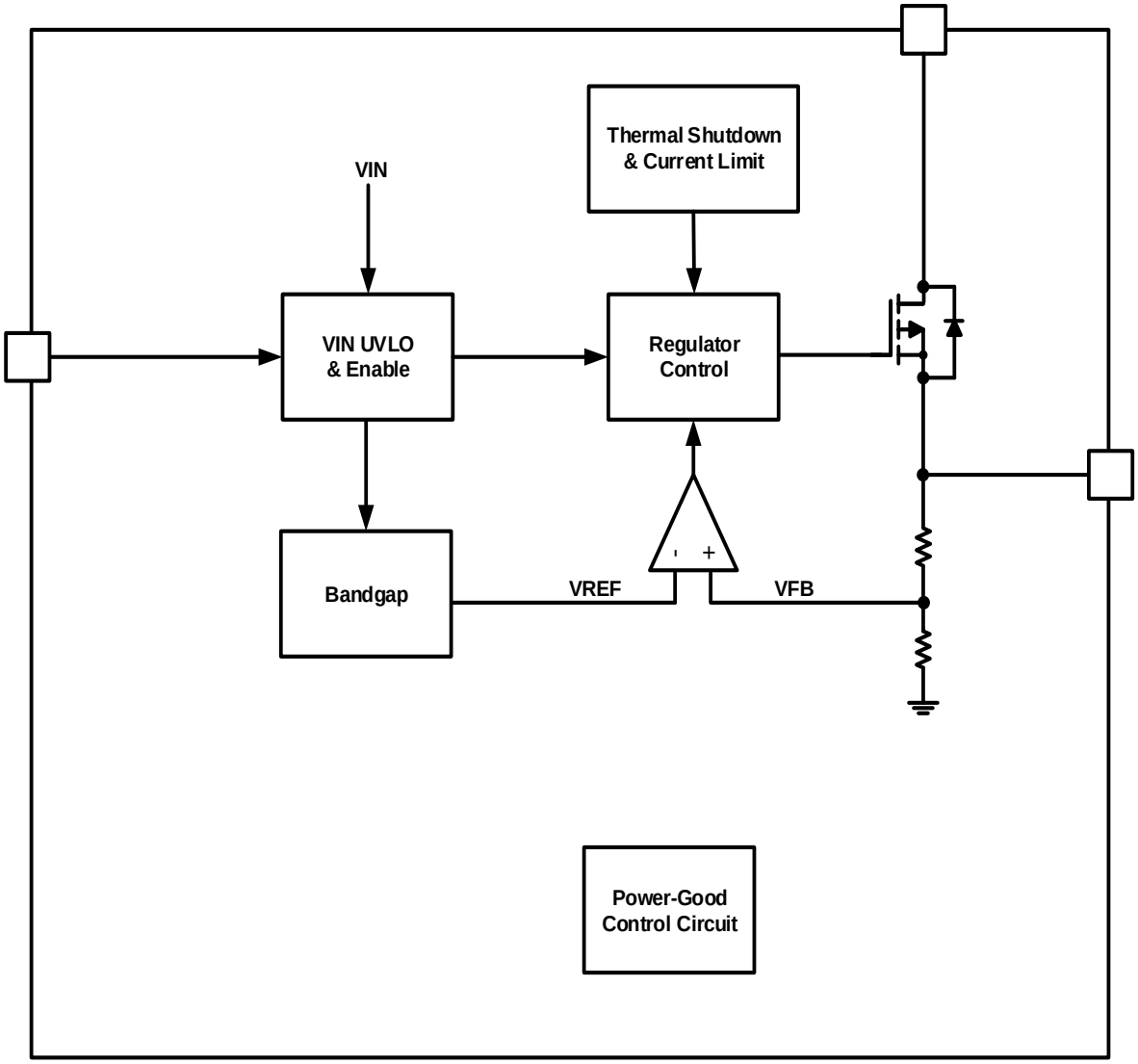



100
50
0
-50
-100
10
100
1k
10k
100k
1M
10M
Frequency (Hz)




Trace 1: Gain Magnitude (dB)
100
50
0
-50
-100
10
100
1k
10k
100k
1M
10M
Frequency (Hz)




Thermal Shutdown
& Current Limit
VIN
VIN UVLO
& Enable
Regulator
Control
Bandgap
VREF
VFB
Power-Good
Control Circuit

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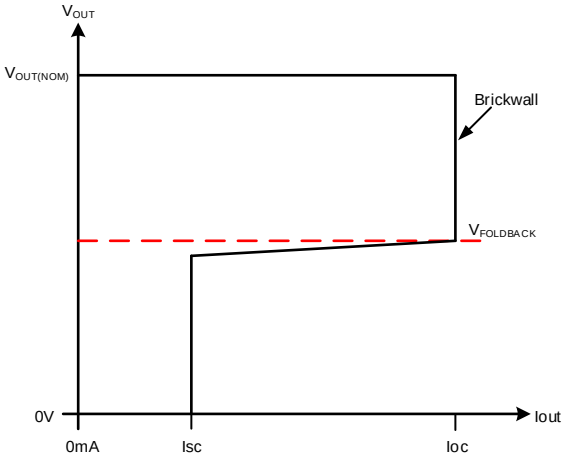
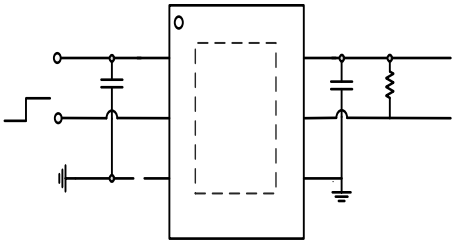
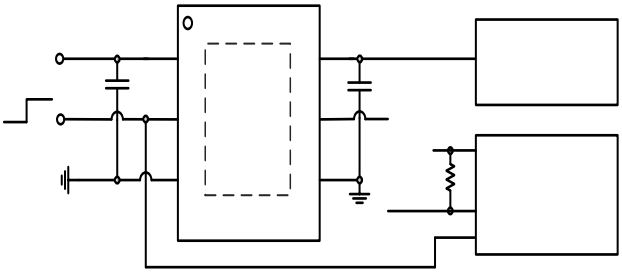
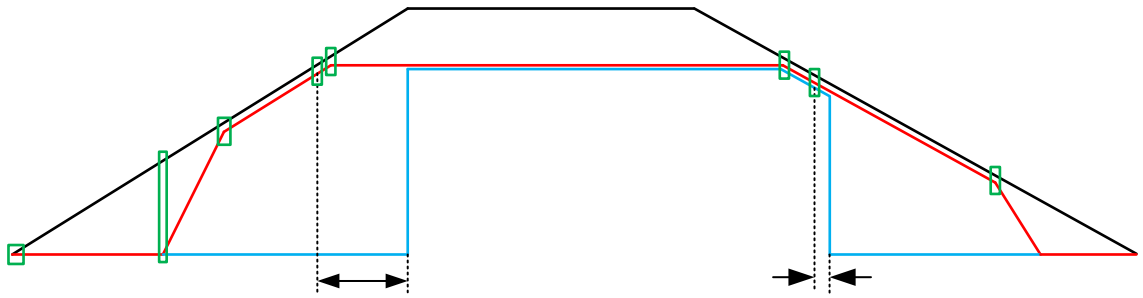
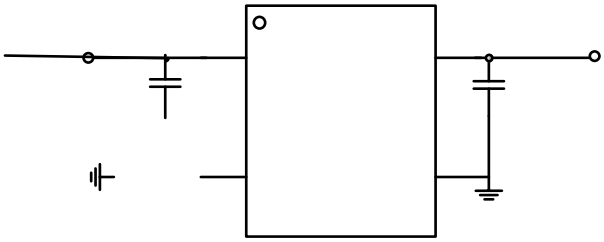
(1 % Obd+ñ4• t T`

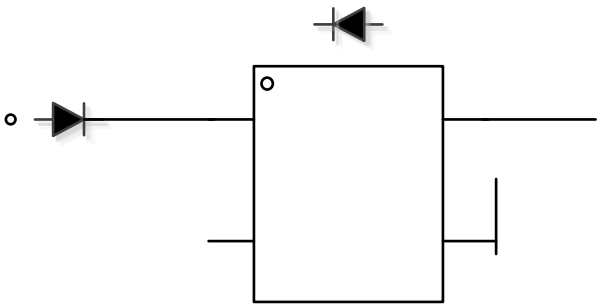

VOUT
VOUT(NOM)
Brickwall
VFOLDBACK
0V
Iout
0mA
Isc
Ioc

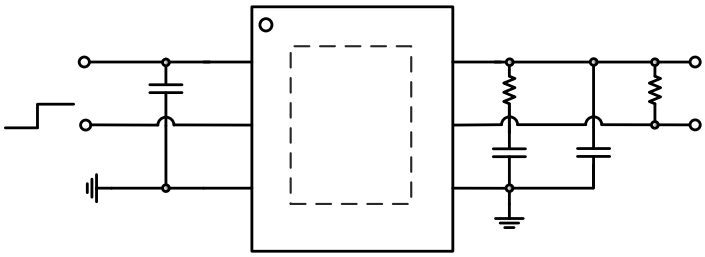












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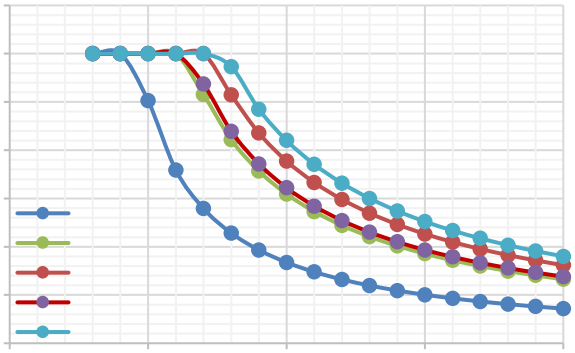

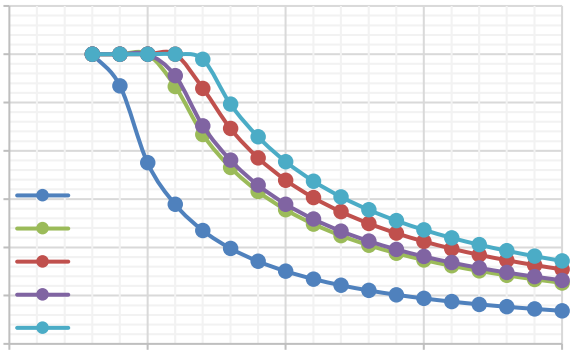

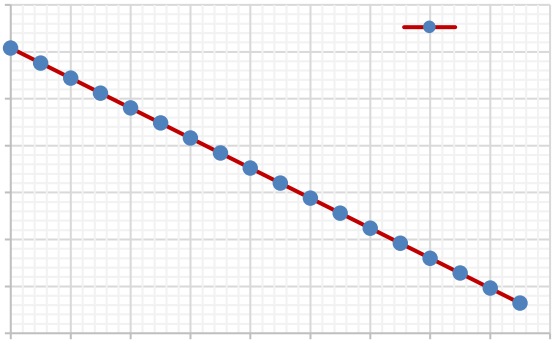

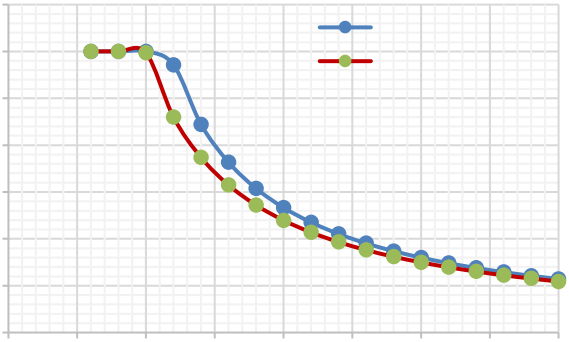

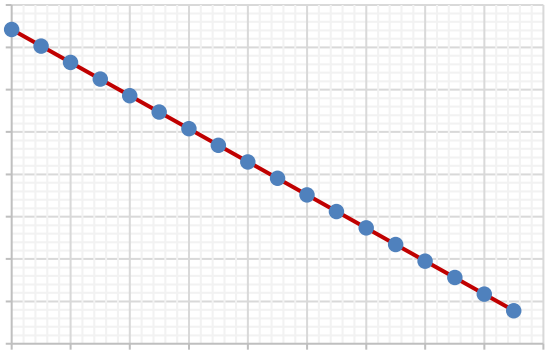

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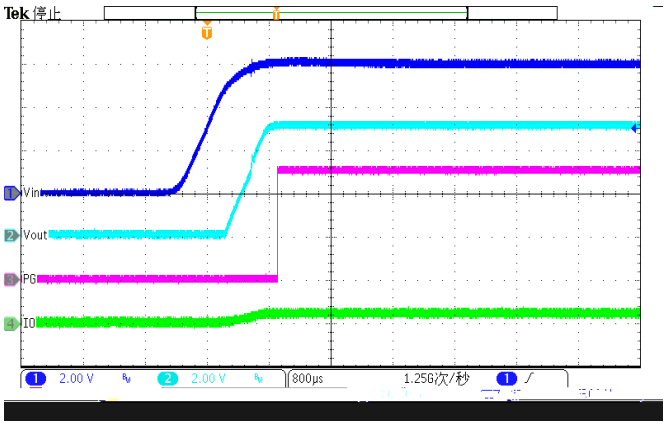
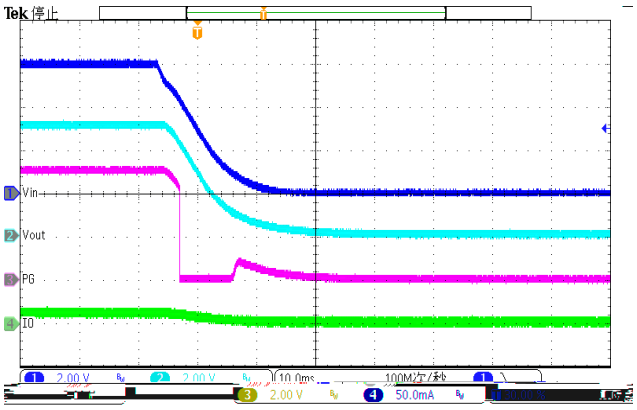
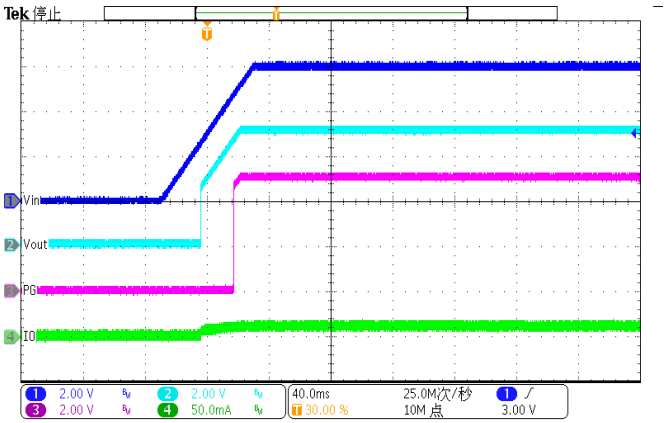
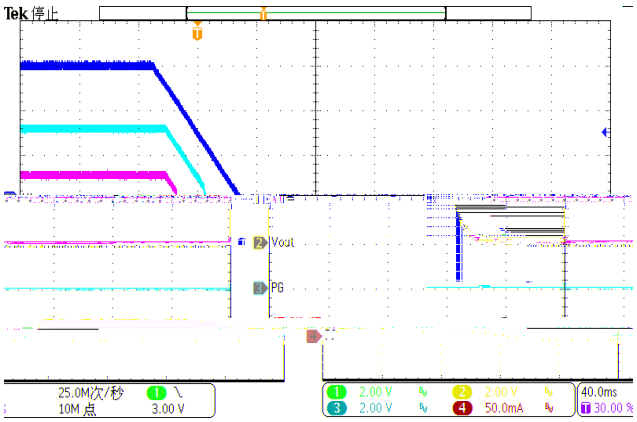
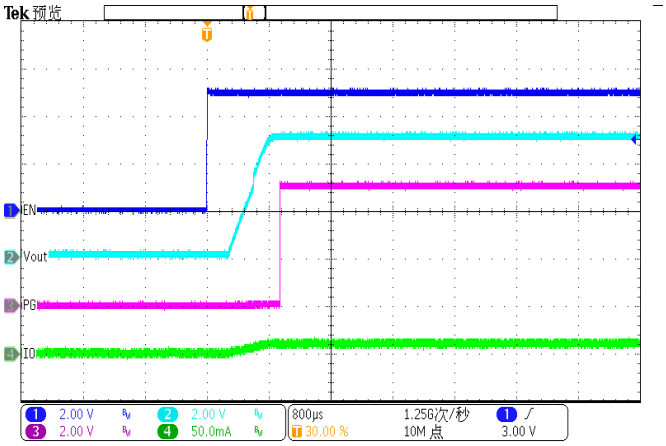
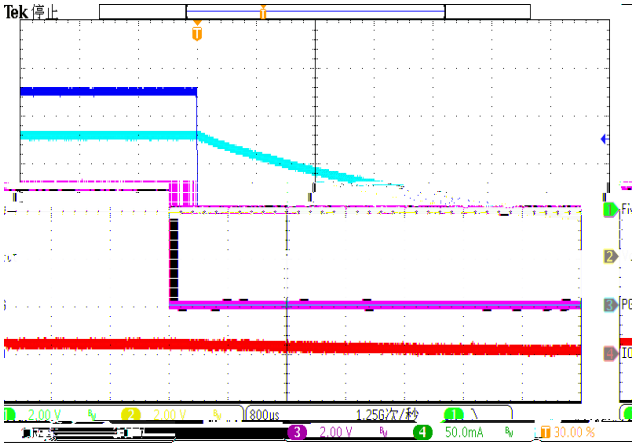

Tek 停止
Vin
Vout
PG
IO
2.00 V
2.00 V
800µs
1.25G次/秒

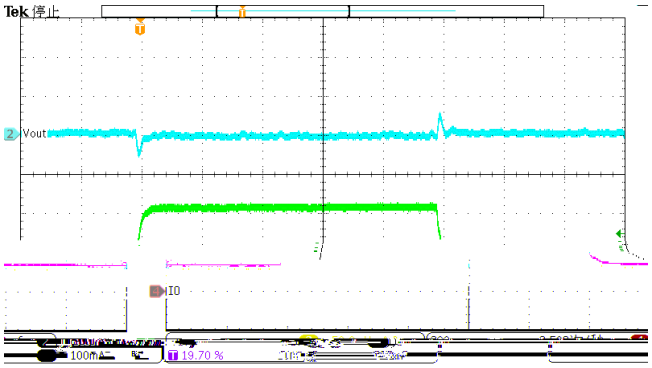

Tek 停止
Vin
Vout
PG
IO
2.00 V
2.00 V
10.0ms
100M次/秒
2.00 V
50.0mA

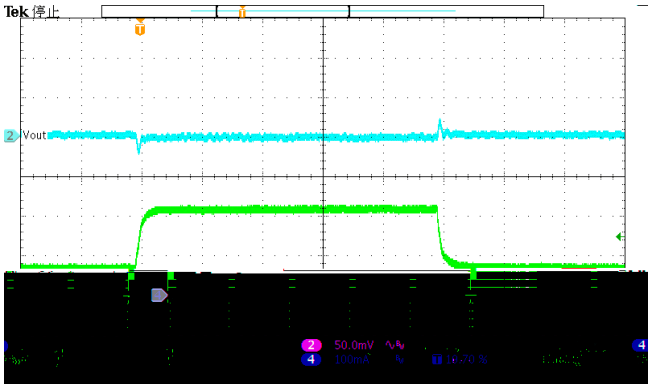

Tek 停止
Vin
Vout
PG
IO
2.00 V
2.00 V
2.00 V
50.0mA
40.0ms
30.00 %
25.0M次/秒
10M 点
3.00 V

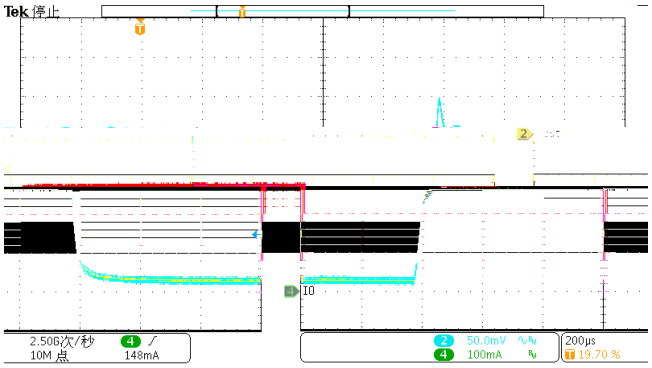

Tek 停止
Vout
PG
25.0M次/秒
10M 点
3.00 V
2.00 V
2.00 V
2.00 V
50.0mA
40.0ms
30.00 %

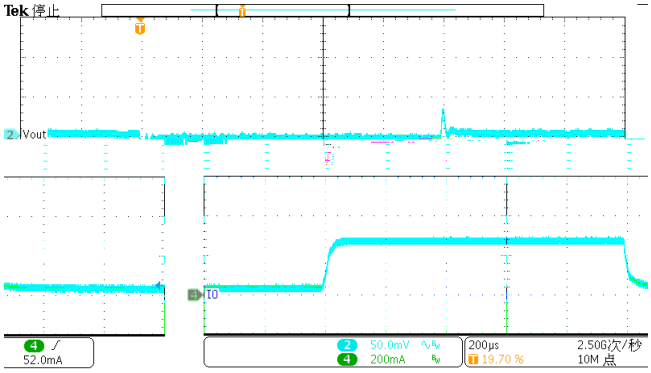

Tek 预览
EN
Vout
PG
IO
2.00 V
2.00 V
2.00 V
50.0mA
800µs
30.00 %
1.25G次/秒
10M 点
3.00 V

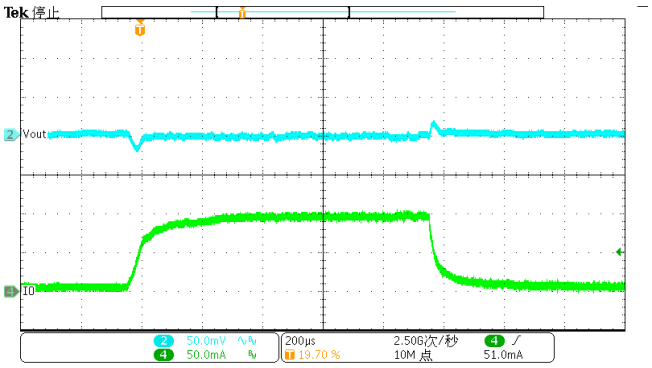

Tek 停止
800µs
1.25G次/秒
2.00 V
50.0mA
30.00 %

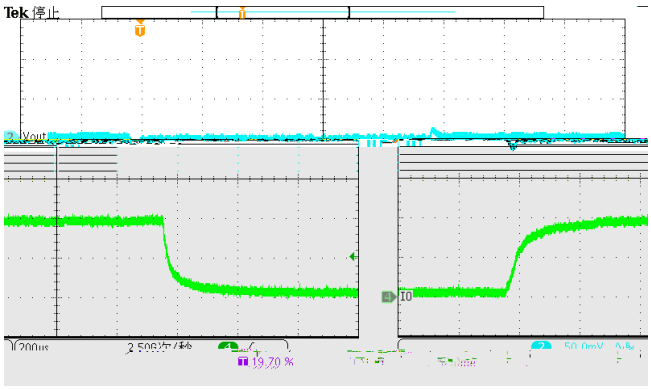

Tek 停止
Vout
IO
100mA
19.70 %

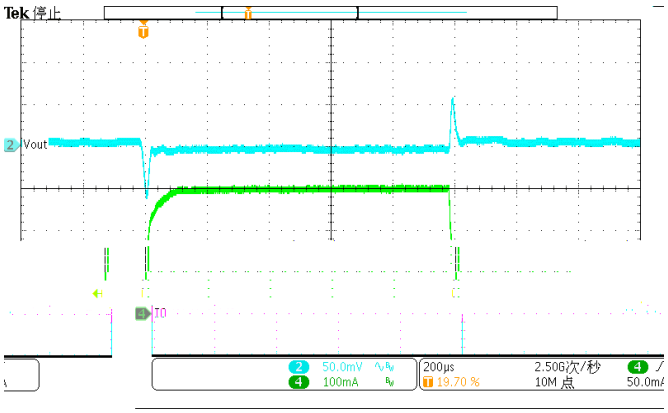

Tek 停止
Vout
50.0mV
100mA
19.70 %

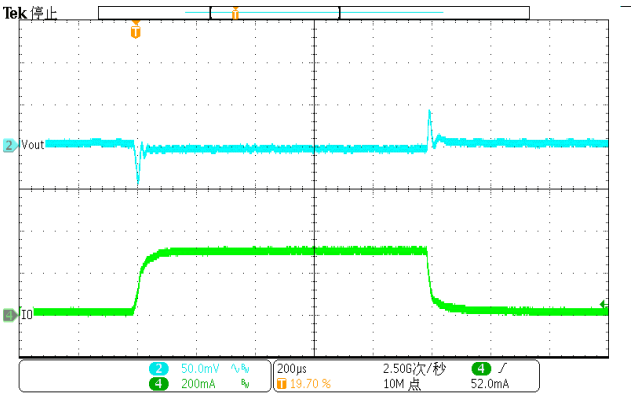

Tek 停止
IO
2.50G次/秒
10M 点
148mA
50.0mV
100mA
200µs
19.70 %

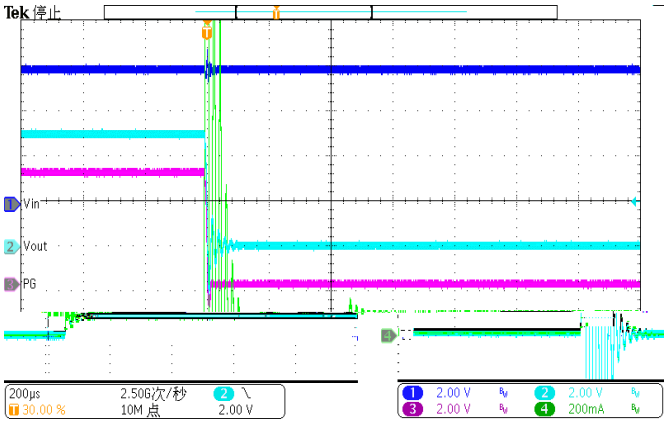

Tek 停止
Vout
IO
52.0mA
50.0mV
200mA
200µs
19.70 %
2.50G次/秒
10M 点

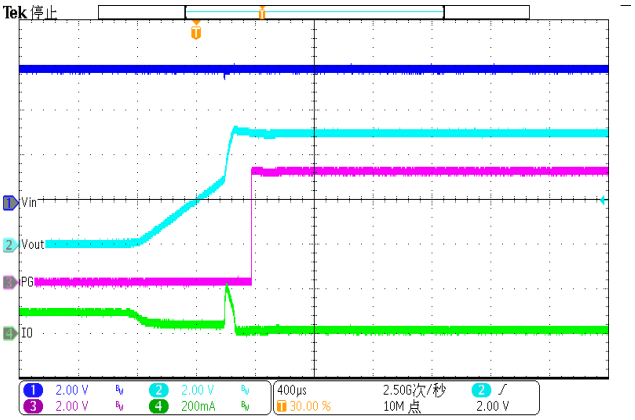

Tek 停止
Vout
IO
50.0mV
50.0mA
200µs
19.70 %
2.50G次/秒
10M 点
51.0mA

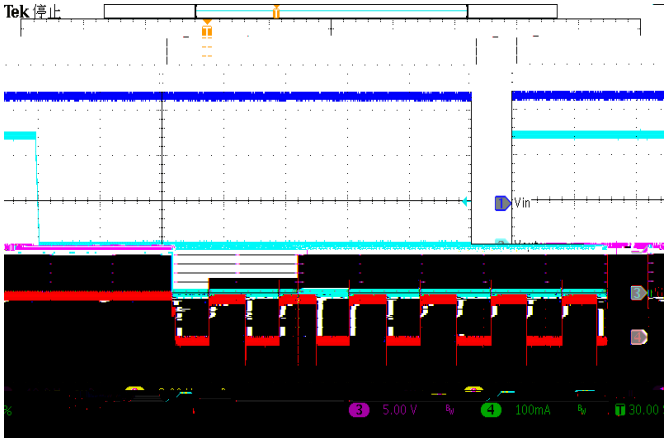

Tek 停止
Vout
IO
19.70 %

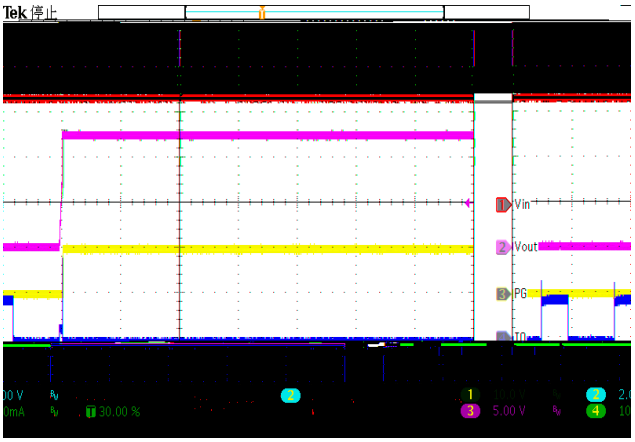

Tek 停止
Vout
IO
2 50.0mV
4 100mA
200µs
19.70 %
2.50G次/秒
10M 点
4
50.0mA


Tek 停止
Vout
IO
2 50.0mV
4 200mA
200µs
19.70 %
2.50G次/秒
10M 点
4
52.0mA


Tek 停止
Vin
Vout
PG
IO
200µs
30.00 %
2.50G次/秒
10M 点
2
2.00 V
1 2.00 V
2 2.00 V
3 2.00 V
4 200mA


Tek 停止
Vin
Vout
PG
IO
1 2.00 V
2 2.00 V
3 2.00 V
4 200mA
400µs
30.00 %
2.50G次/秒
10M 点
2
2.00 V

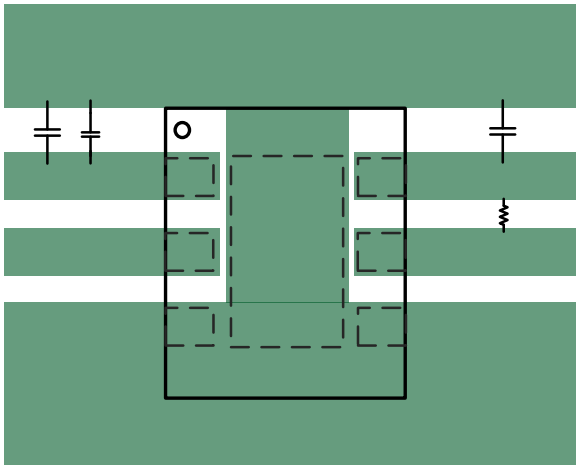

Tek 停止
Vin
3 5.00 V
4 100mA

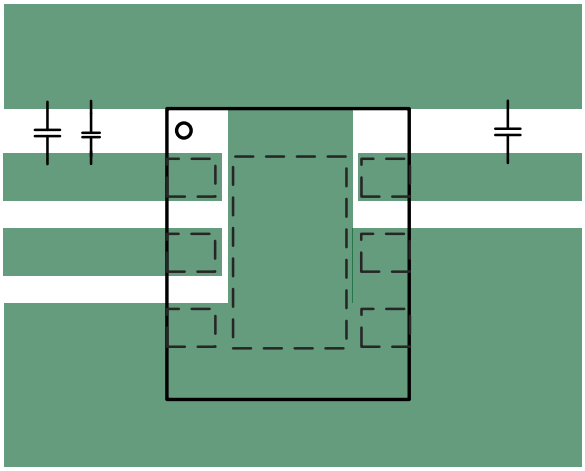

Tek 停止
Vin
Vout
PG
IO
30.00 %
3 5.00 V

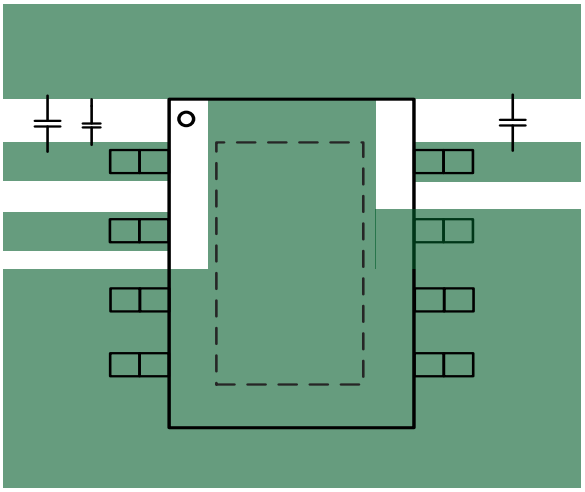
1.
2.

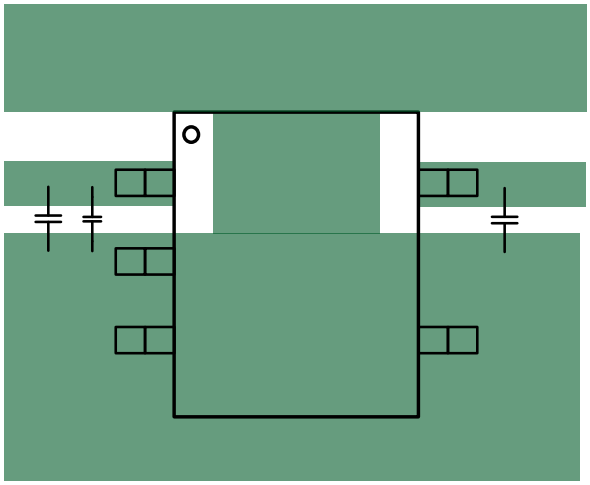
3.
4.

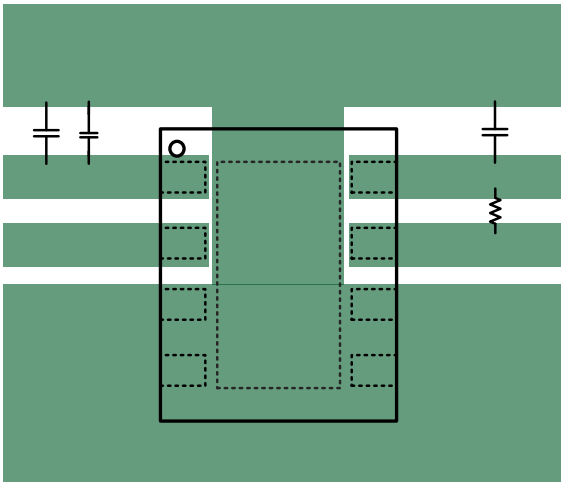
5.

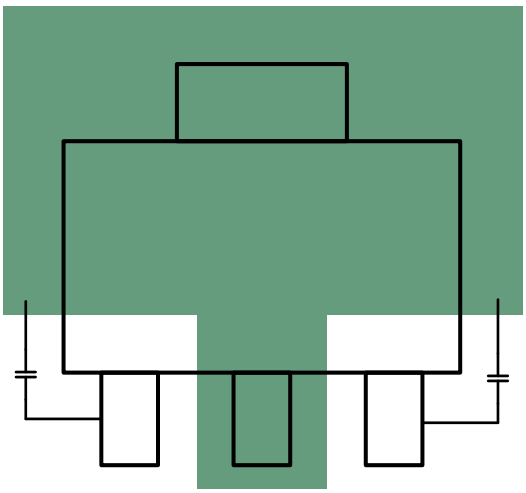


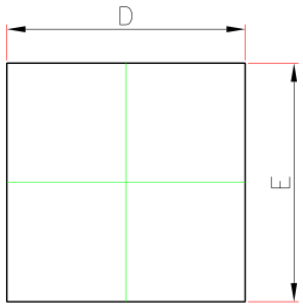




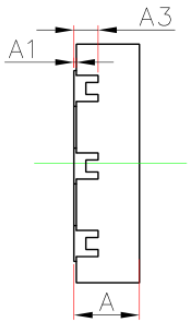




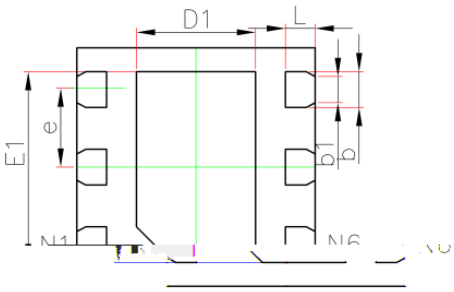




TOP VIEW

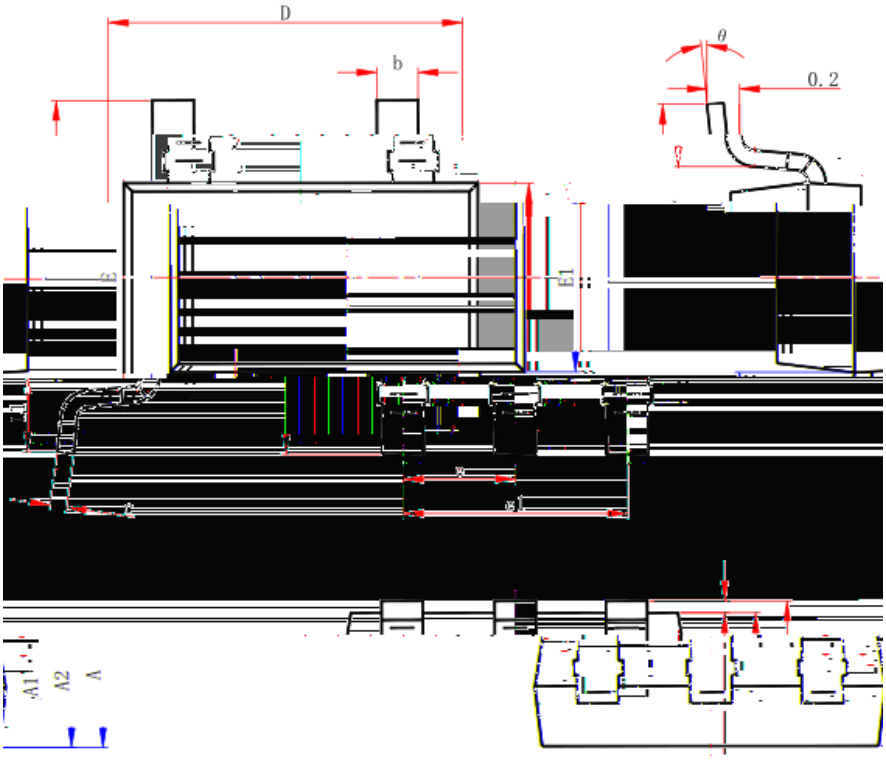


SIDE VIEW

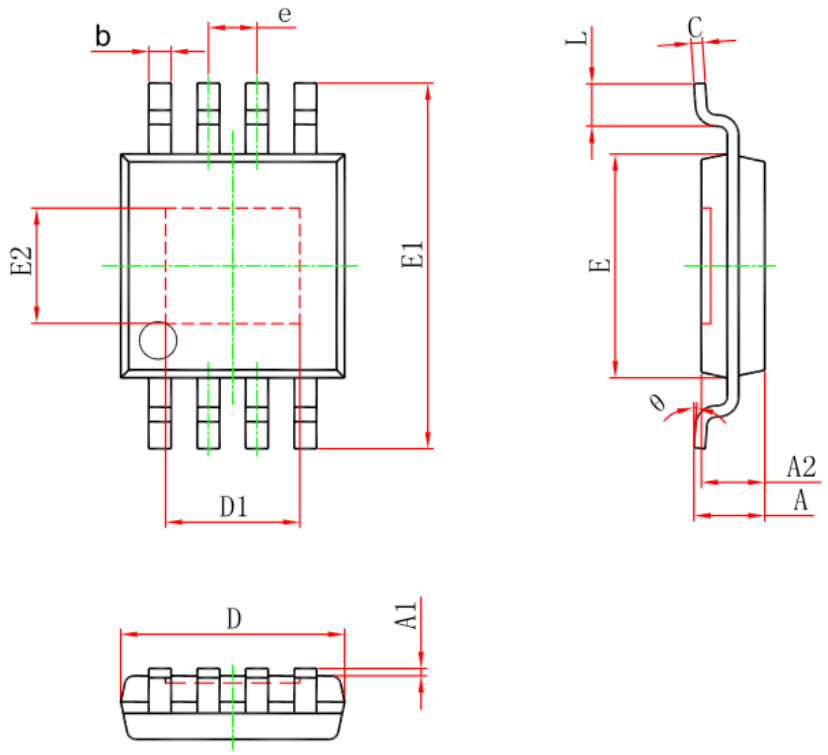


BOTTOM VIEW

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



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



1.
2.
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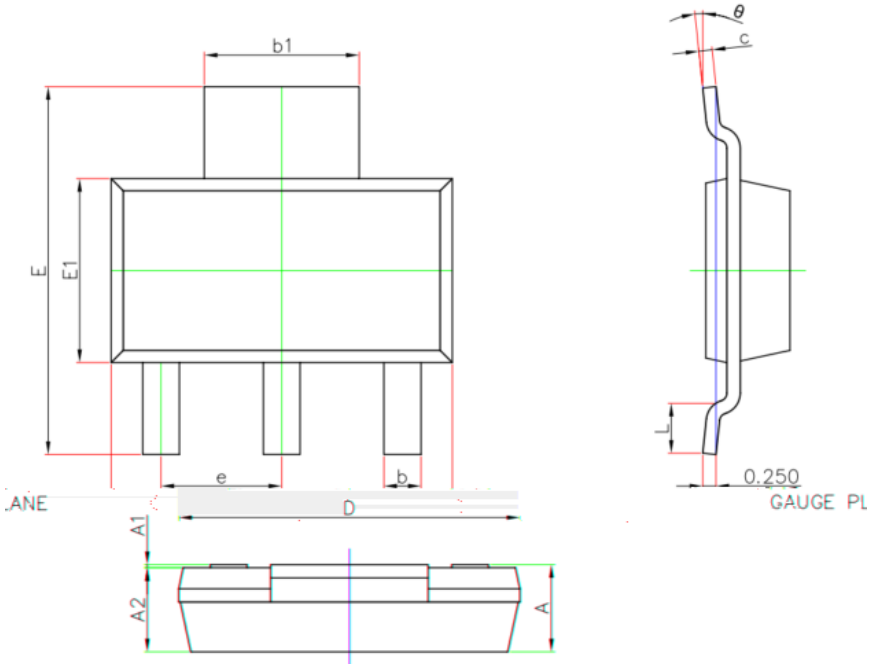
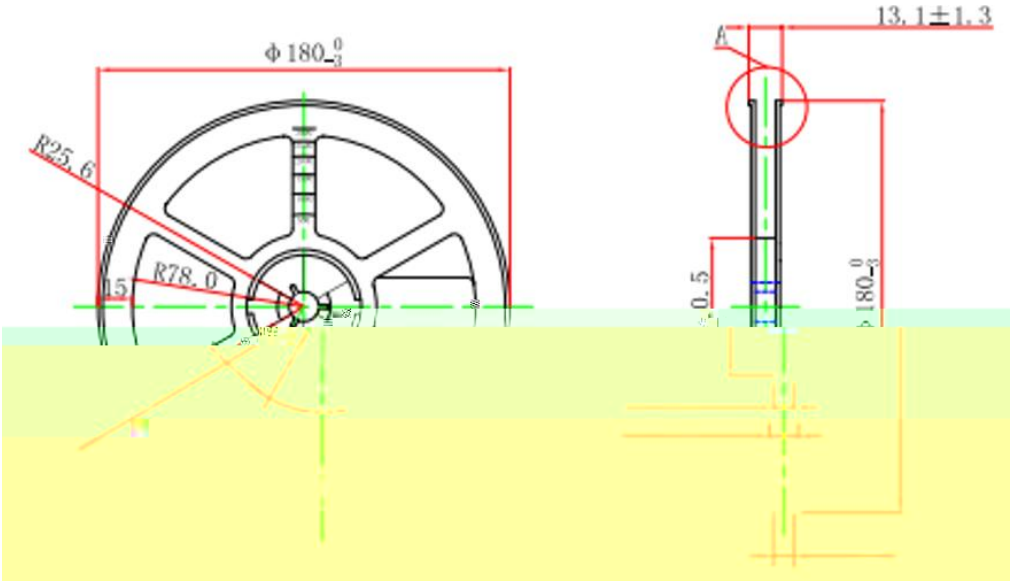
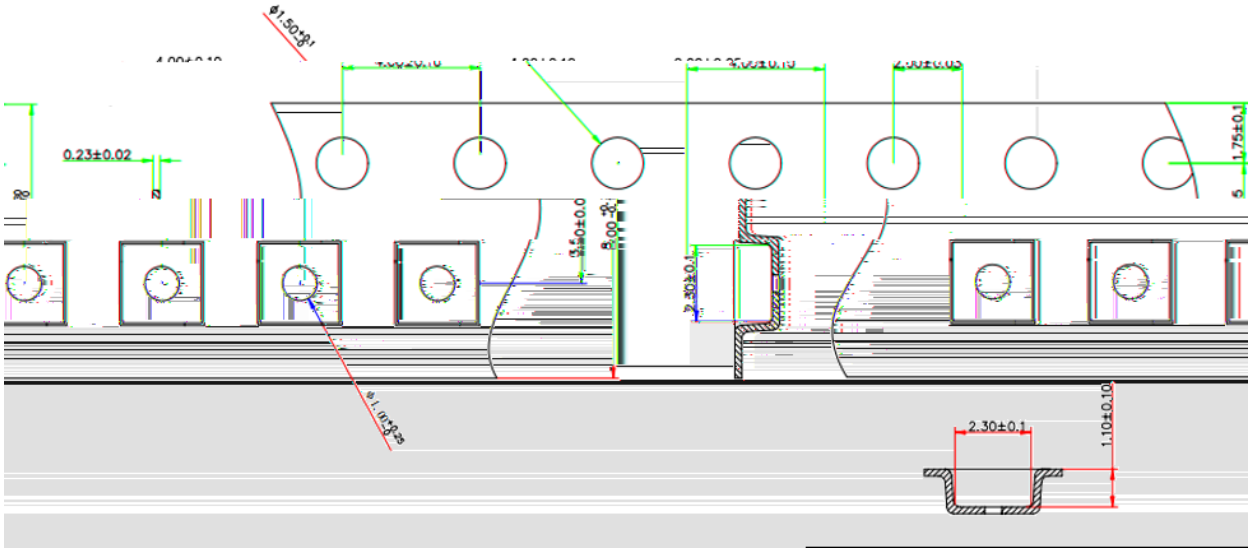
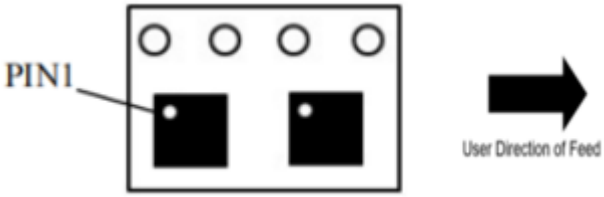
6.

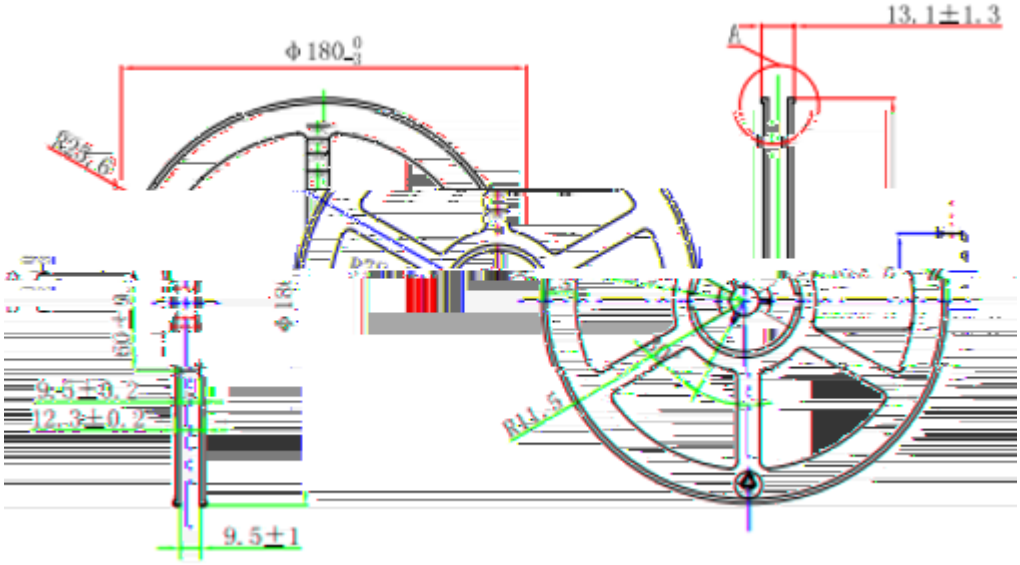


7.
8.
9.
10.
11.
12.


Φ 180
R25.6
R78.0
15
13.1±1.3
A
0.5
Φ 180


0.23±0.02
2.30±0.1
1.10±0.10
1.75±0.1


PIN1
User Direction of Feed



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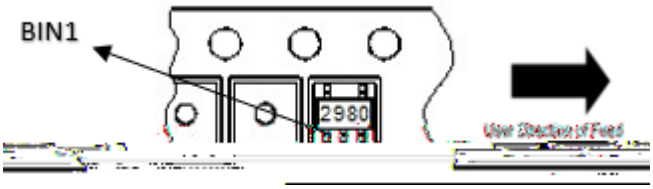
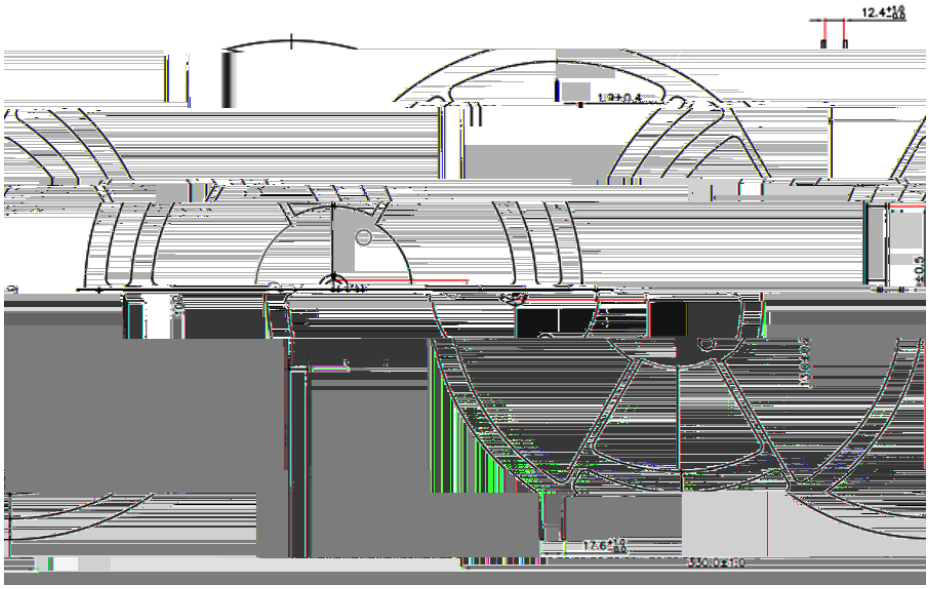
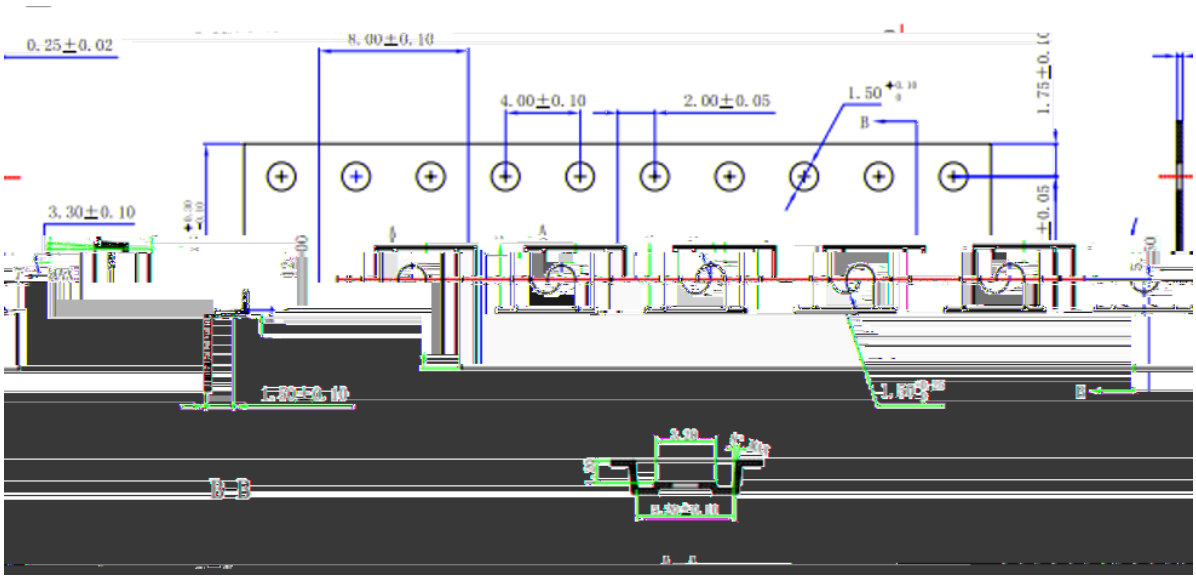
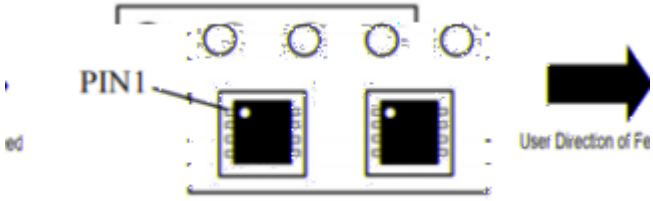
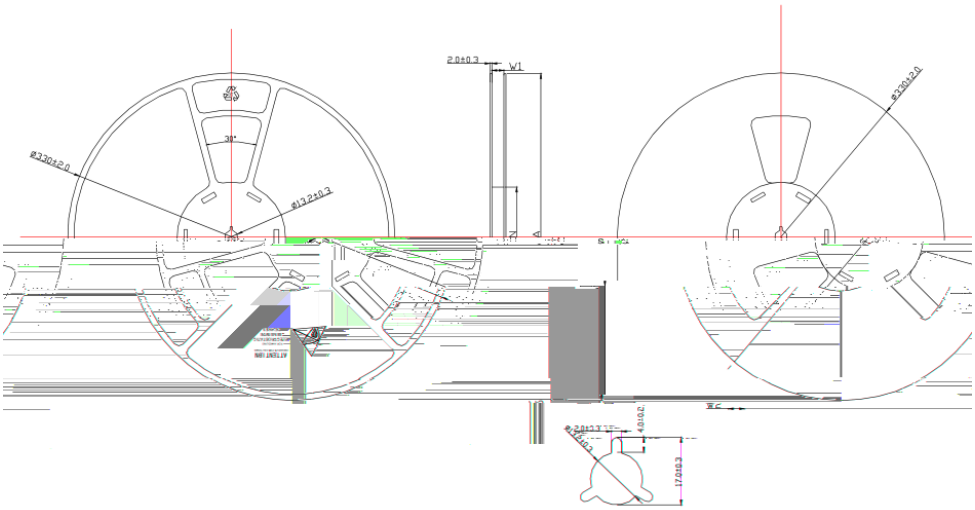


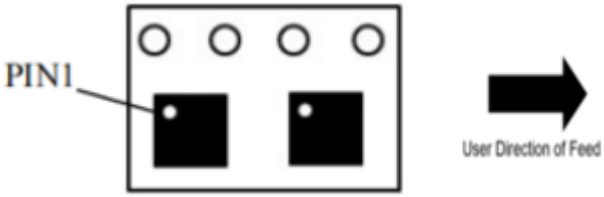


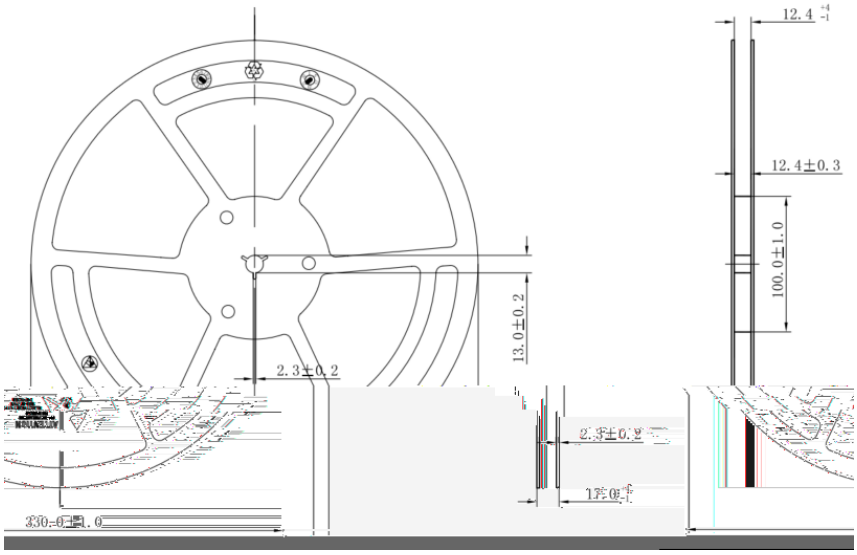

0.25±0.02
8.00±0.10
4.00±0.10
2.00±0.05
1.50
B
3.30±0.10
±0.05
B-B

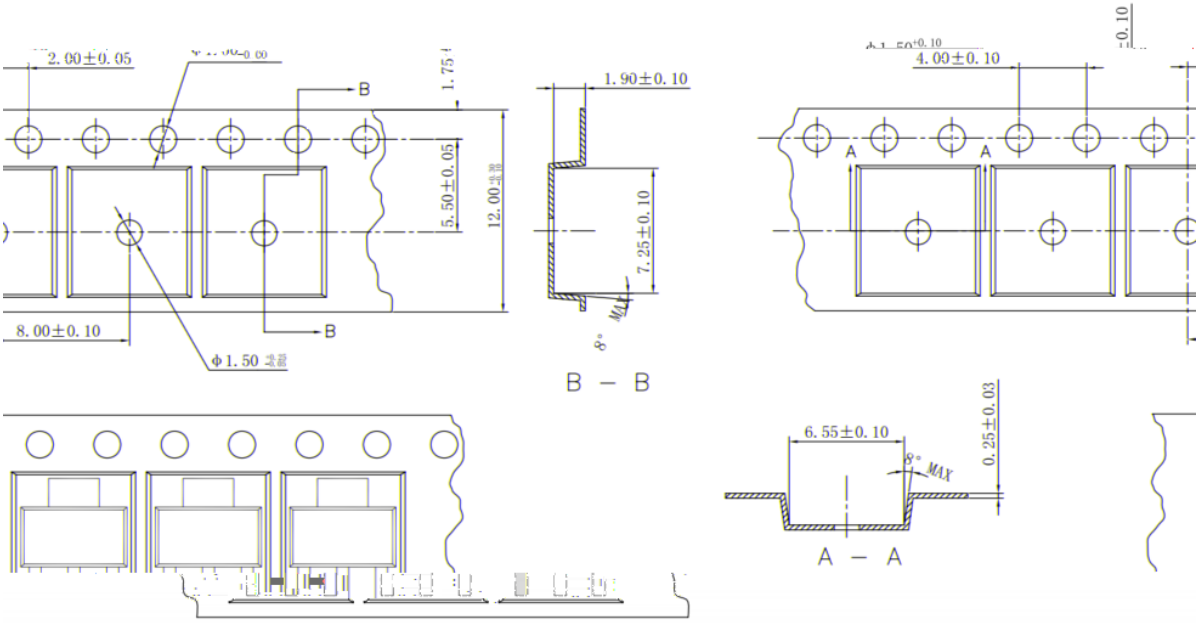

PIN1
User Direction of Fe


2.0±0.3
W1
ø330±2.0
ø13.2±0.3
ø330±2.0
4.0±0.2
17.0±0.3

[redacted]


PIN1
User Direction of Feed





产品装载示意图

User Direction of Feed