12V, 7A Fully Integrated High Efficiency Synchronous Boost Converter

FEATURES

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APPLICATIONS

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TYPICAL APPLICATION

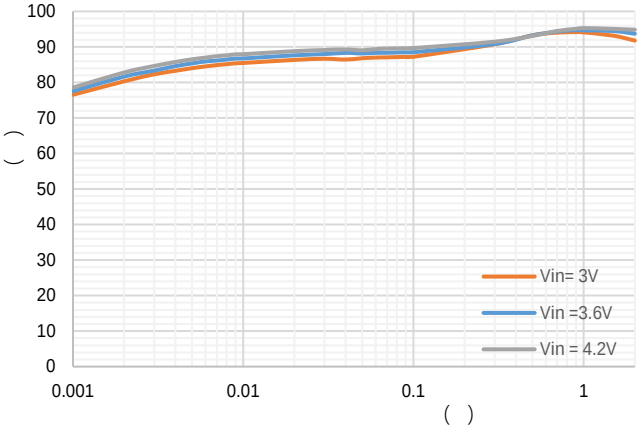
DESCRIPTION

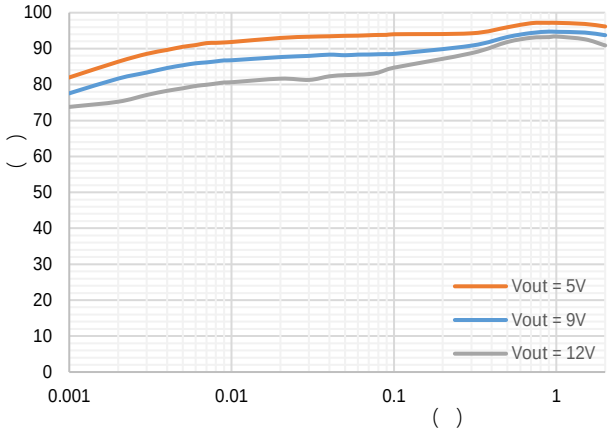
REVISION HISTORY

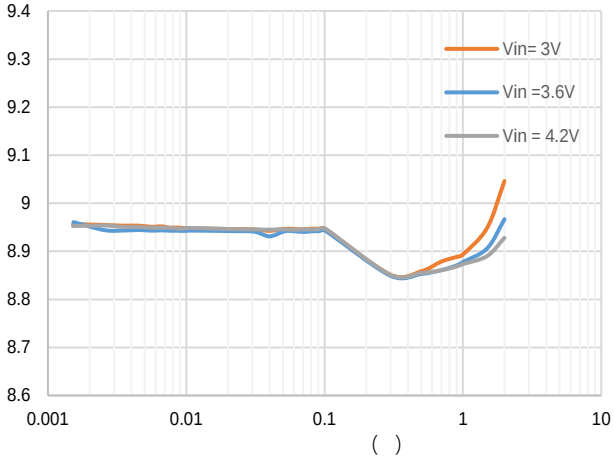
RECOMMENDED OPERATING CONDITIONS

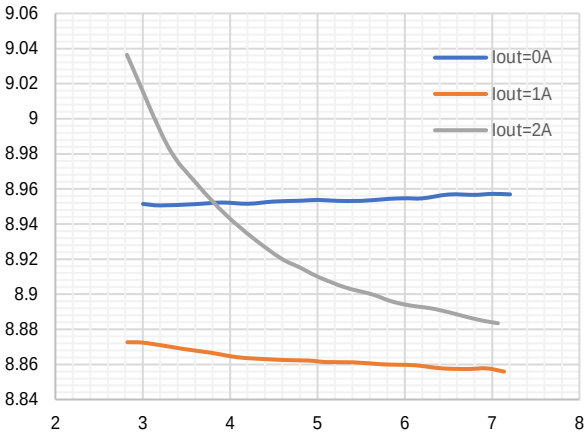
ELECTRICAL CHARACTERISTICS

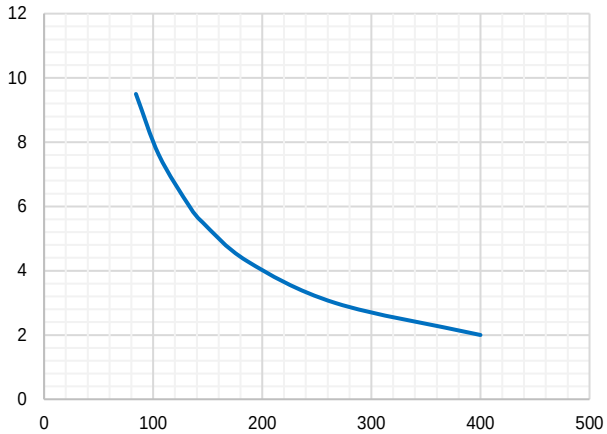
TYPICAL CHARACTERISTICS

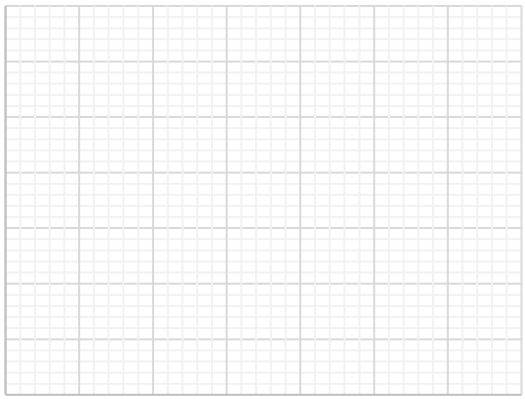




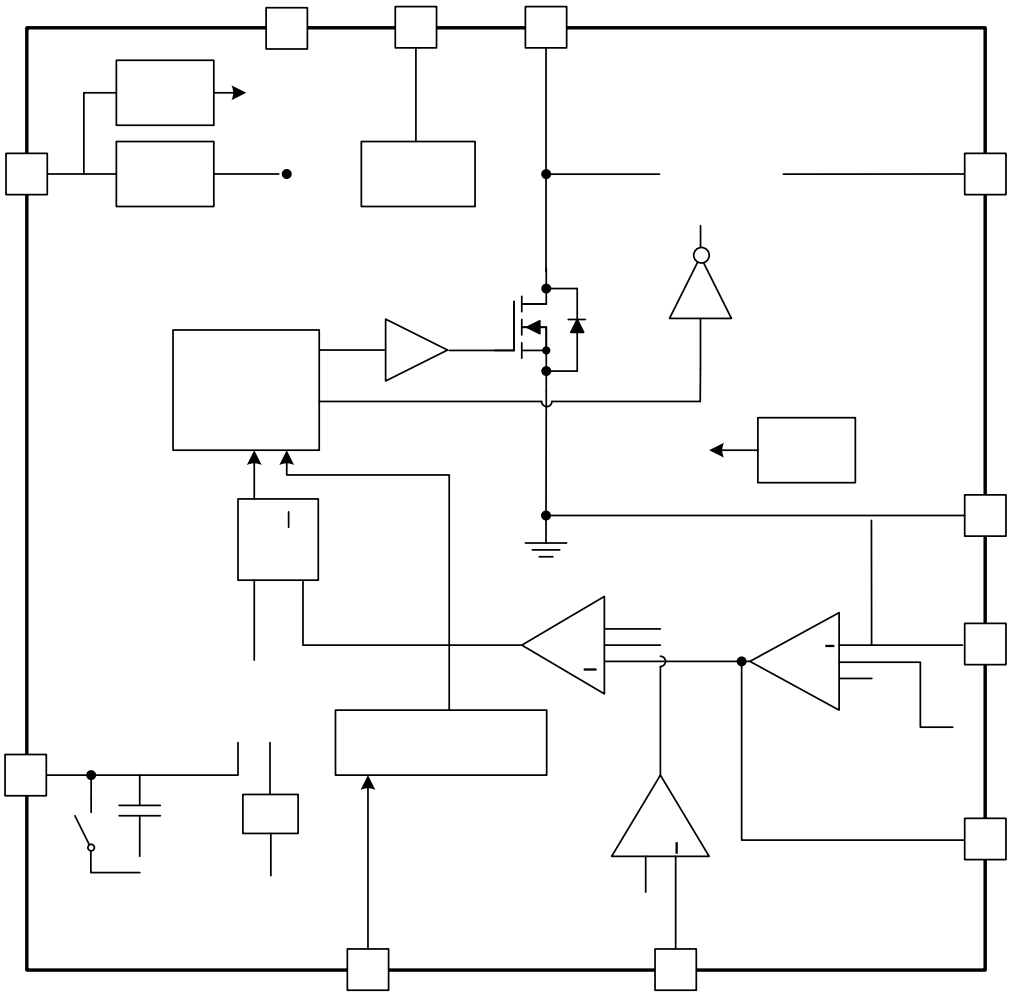






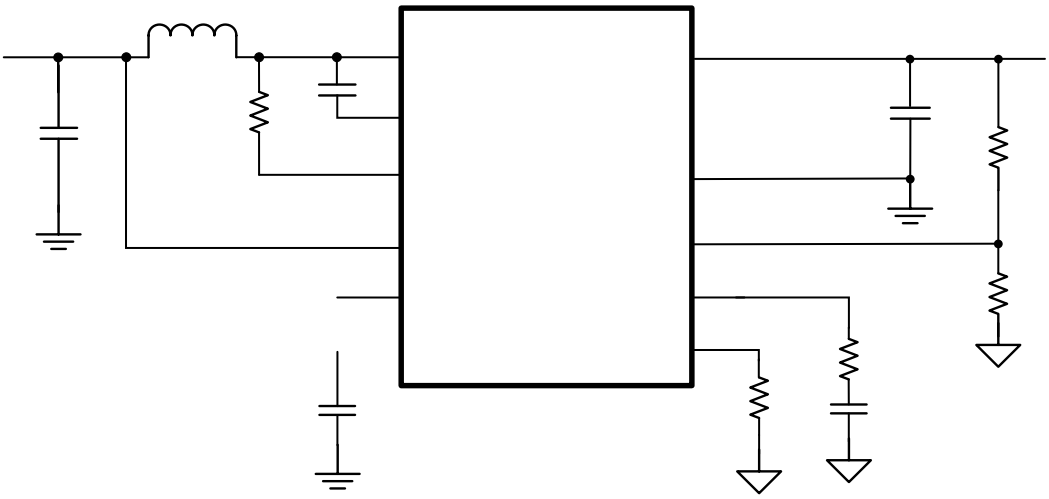


FUNCTIONAL BLOCK DIAGRAM



OPERATION

APPLICATION INFORMATION



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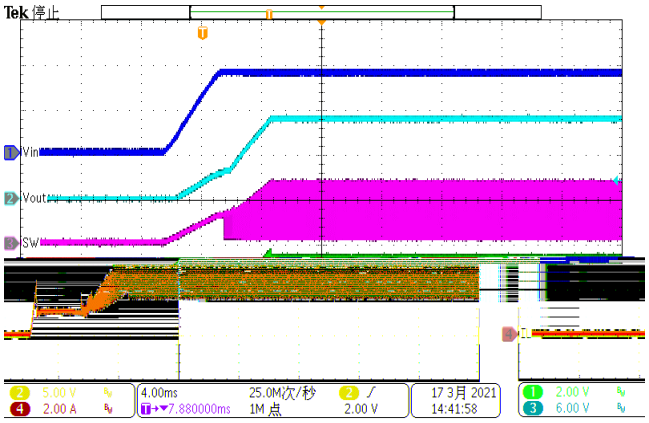
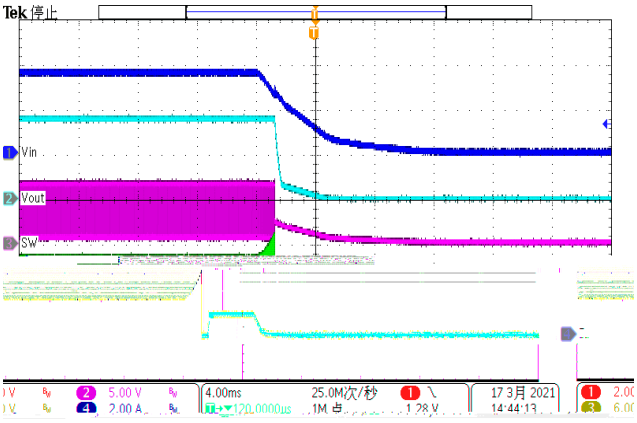

Tek 停止
Vin
Vout
SW
2 5.00 V
4 2.00 A
4.00ms
7.880000ms
25.0M次/秒
1M 点
2.00 V
1 2.00 V
3 6.00 V
17 3月 2021
14:41:58


Tek 停止
Vin
Vout
SW
2 5.00 V
4.00ms
25.0M次/秒
1M 点
1.28 V
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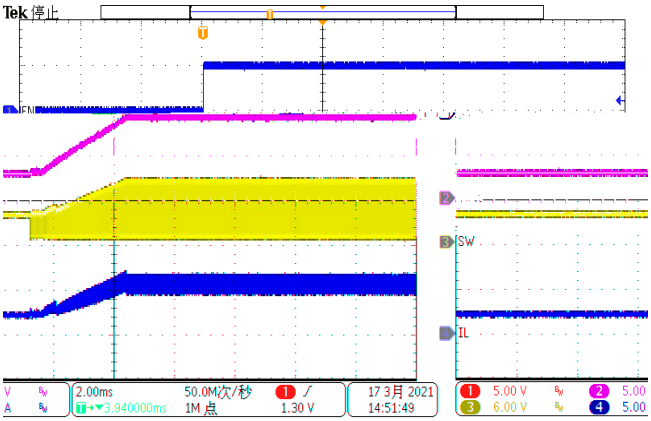
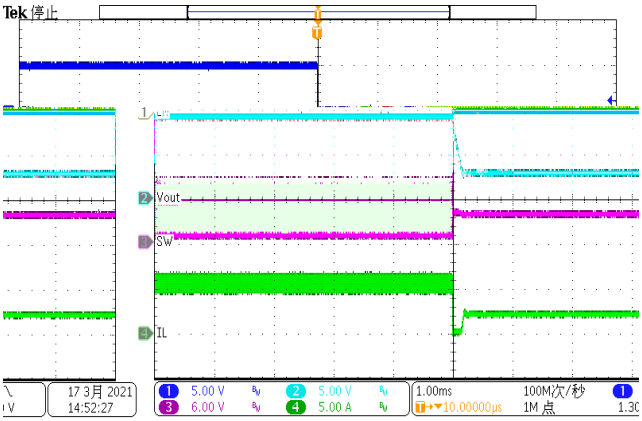
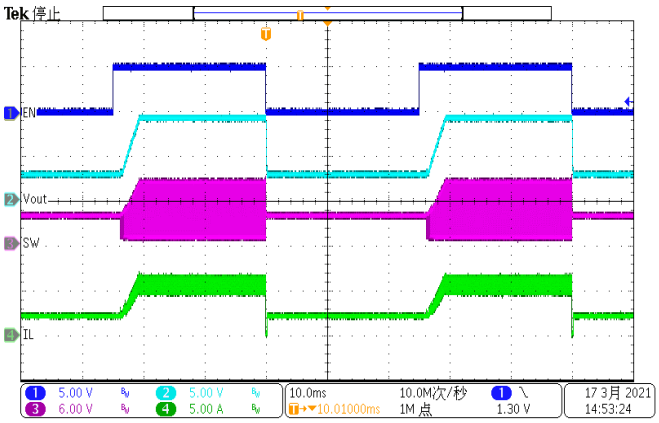
14:44:13


Tek 停止
EN
SW
IL
2.00ms
50.0M次/秒
1M 点
1.30 V
17 3月 2021
14:51:49
1 5.00 V
3 6.00 V
2 5.00
4 5.00


Tek 停止
Vout
SW
IL
17 3月 2021
14:52:27
1 5.00 V
3 6.00 V
2 5.00 V
4 5.00 A
1.00ms
100M次/秒
1M 点


Tek 停止
EN
Vout
SW
IL
1 5.00 V
3 6.00 V
2 5.00 V
4 5.00 A
10.0ms
10.0M次/秒
1M 点
1.30 V
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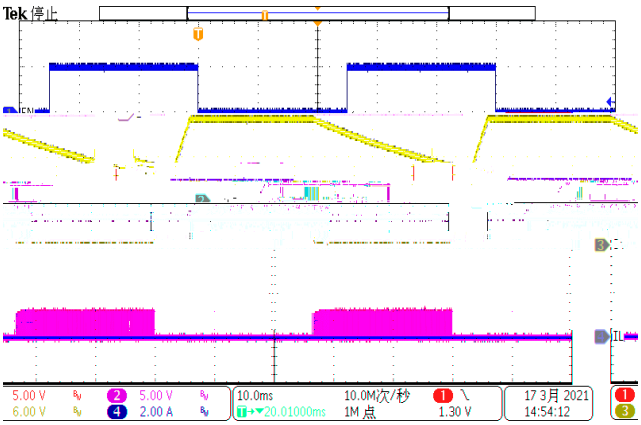
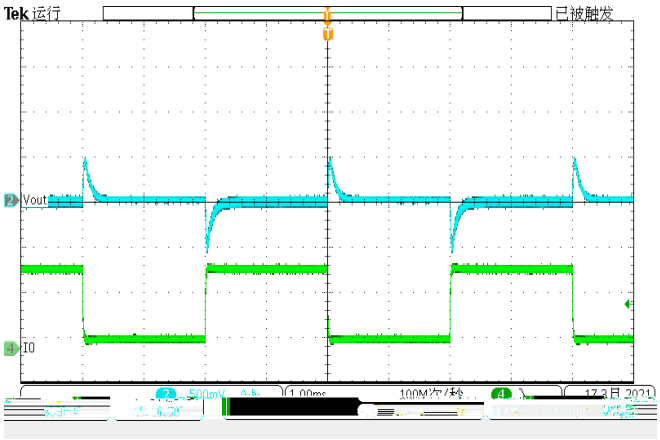
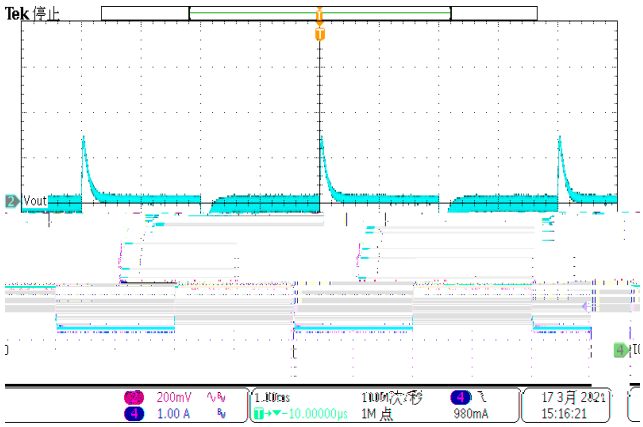
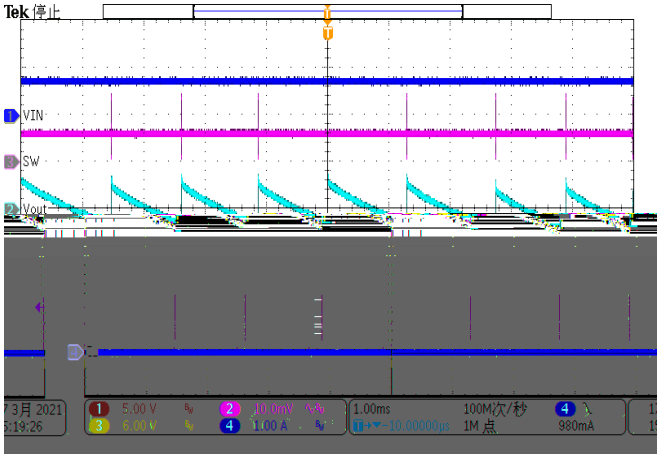
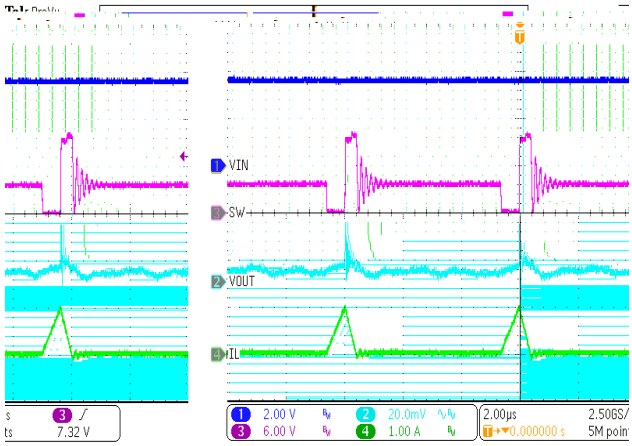
14:53:24

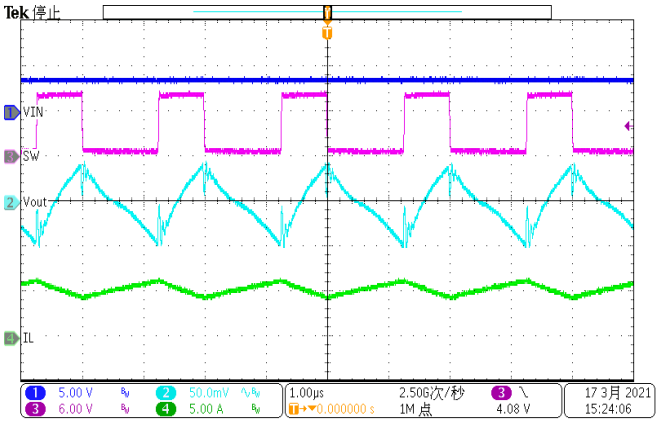

Tek 停止
IL
5.00 V
6.00 V
2 5.00 V
4 2.00 A
10.0ms
10.0M次/秒
1M 点
1.30 V
17 3月 2021
14:54:12

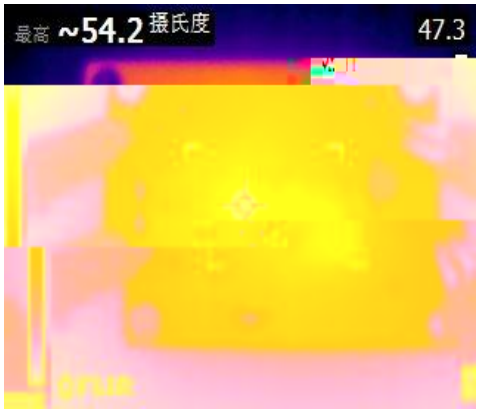

Tek 运行
已被触发
Vout
IO

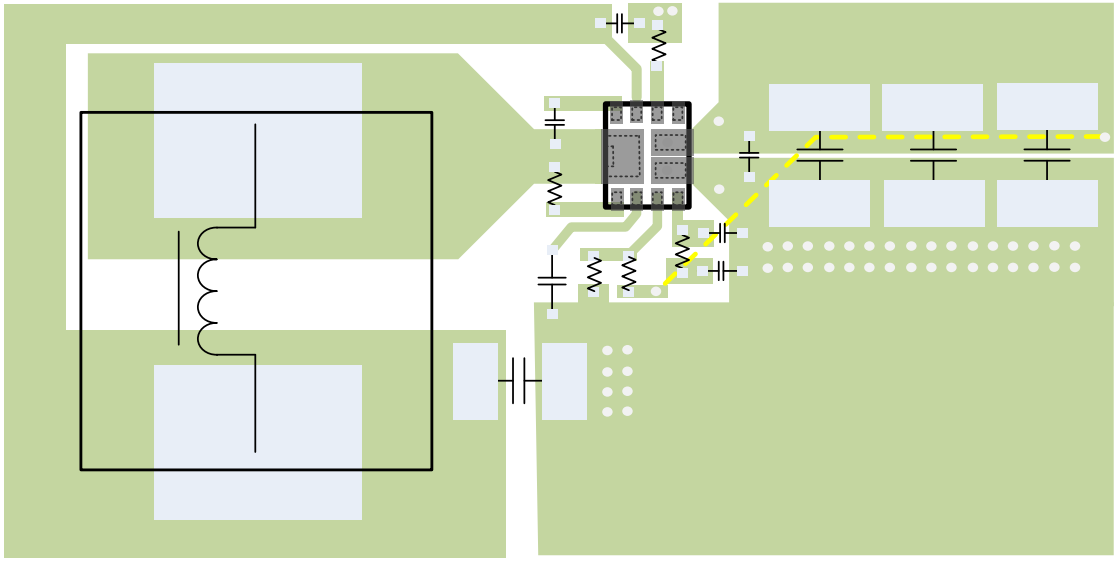

Tek 停止
Vout
200mV
1.00 A
1M 点
980mA
17 3月 2021
15:16:21


Tek 停止
VIN
SW
Vout
5.00 V
6.00 V
10.0mV
1.00 A
1.00ms
100M次/秒
1M 点
980mA

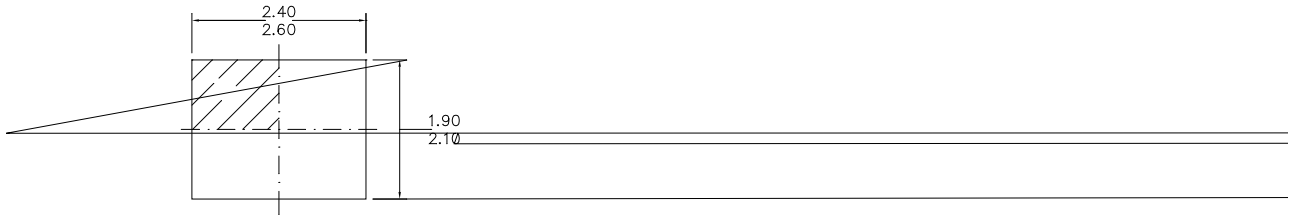

VIN
SW
VOUT
IL
7.32 V
2.00 V
6.00 V
20.0mV
1.00 A
2.00µs
5M poin


Tek 停止
VIN
SW
Vout
IL
5.00 V
6.00 V
50.0mV
5.00 A
1.00µs
2.50G次/秒
1M 点
4.08 V
17 3月 2021
15:24:06


最高 ~54.2 摄氏度
47.3

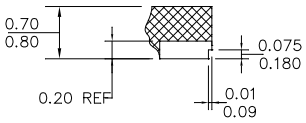


PACKAGE INFORMATION



A C62D

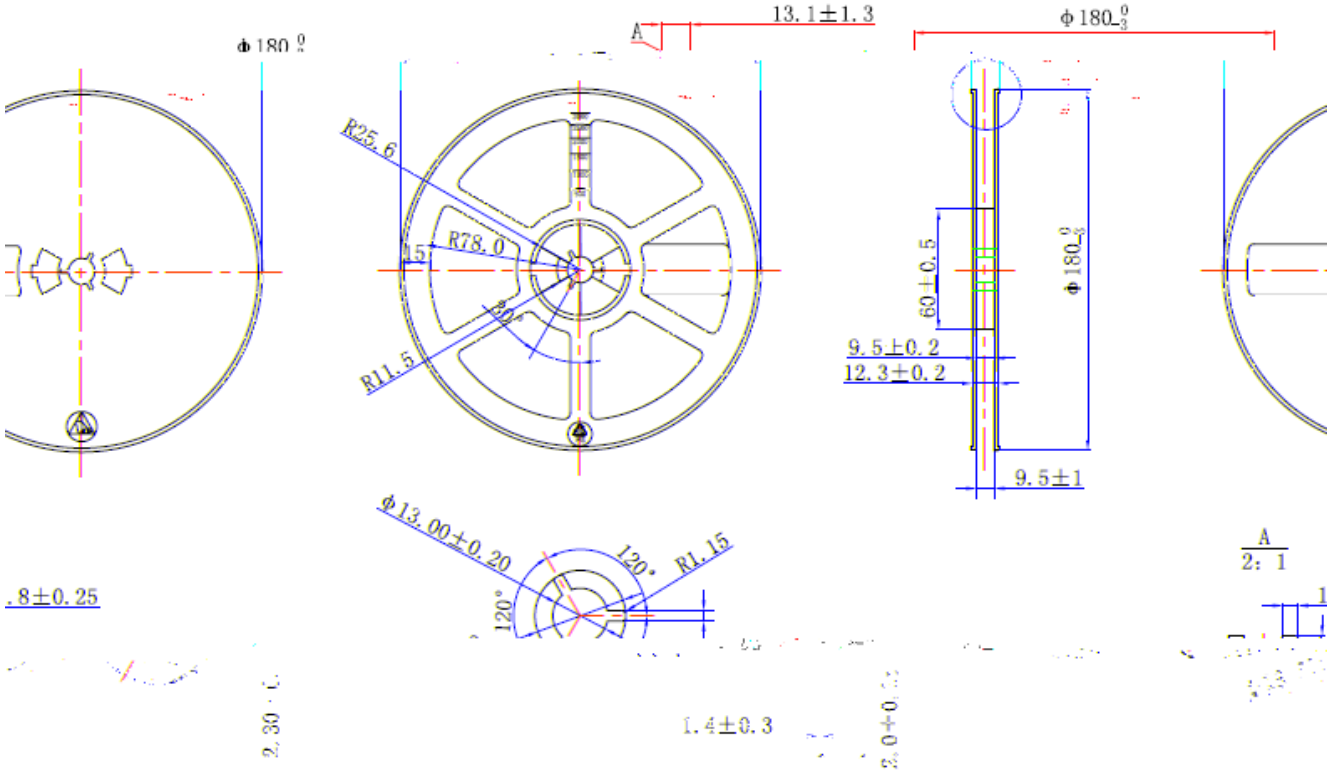
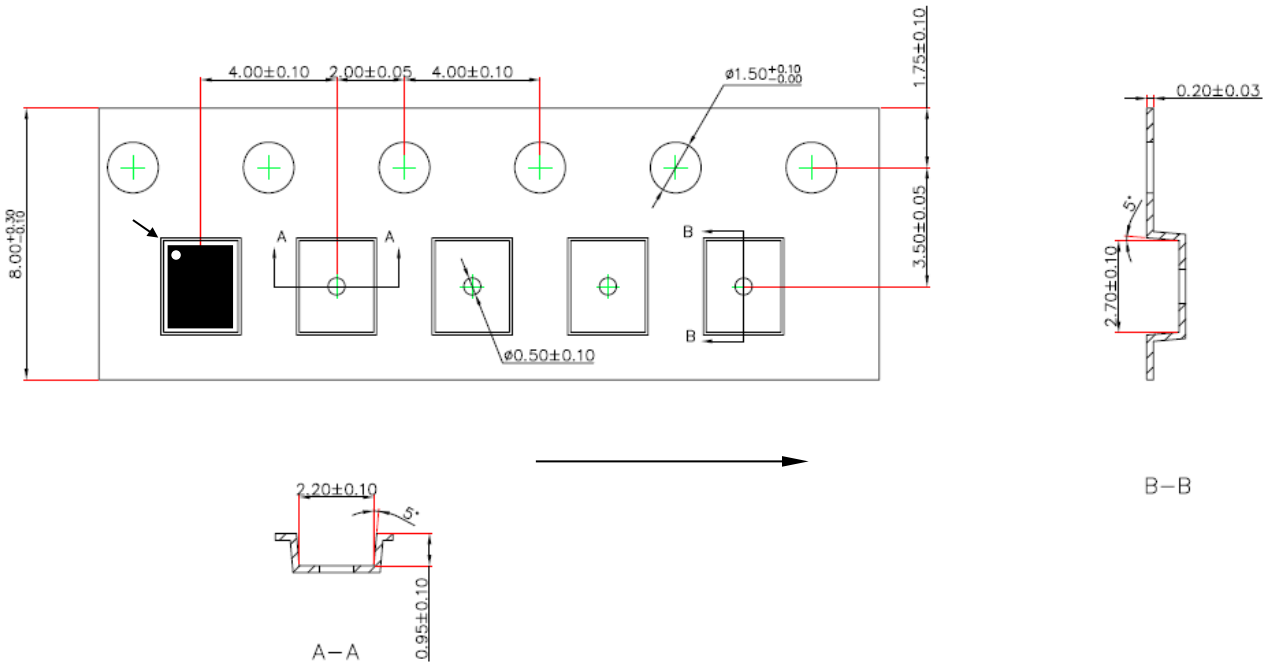
AA : C62D



612 C62D

20A6 . .

A2'

20 : : 2 121 . 1 . AA2

TAPE AND REEL INFORMATION