RECOMMENDED OPERATING CONDITIONS

ELECTRICAL CHARACTERISTICS

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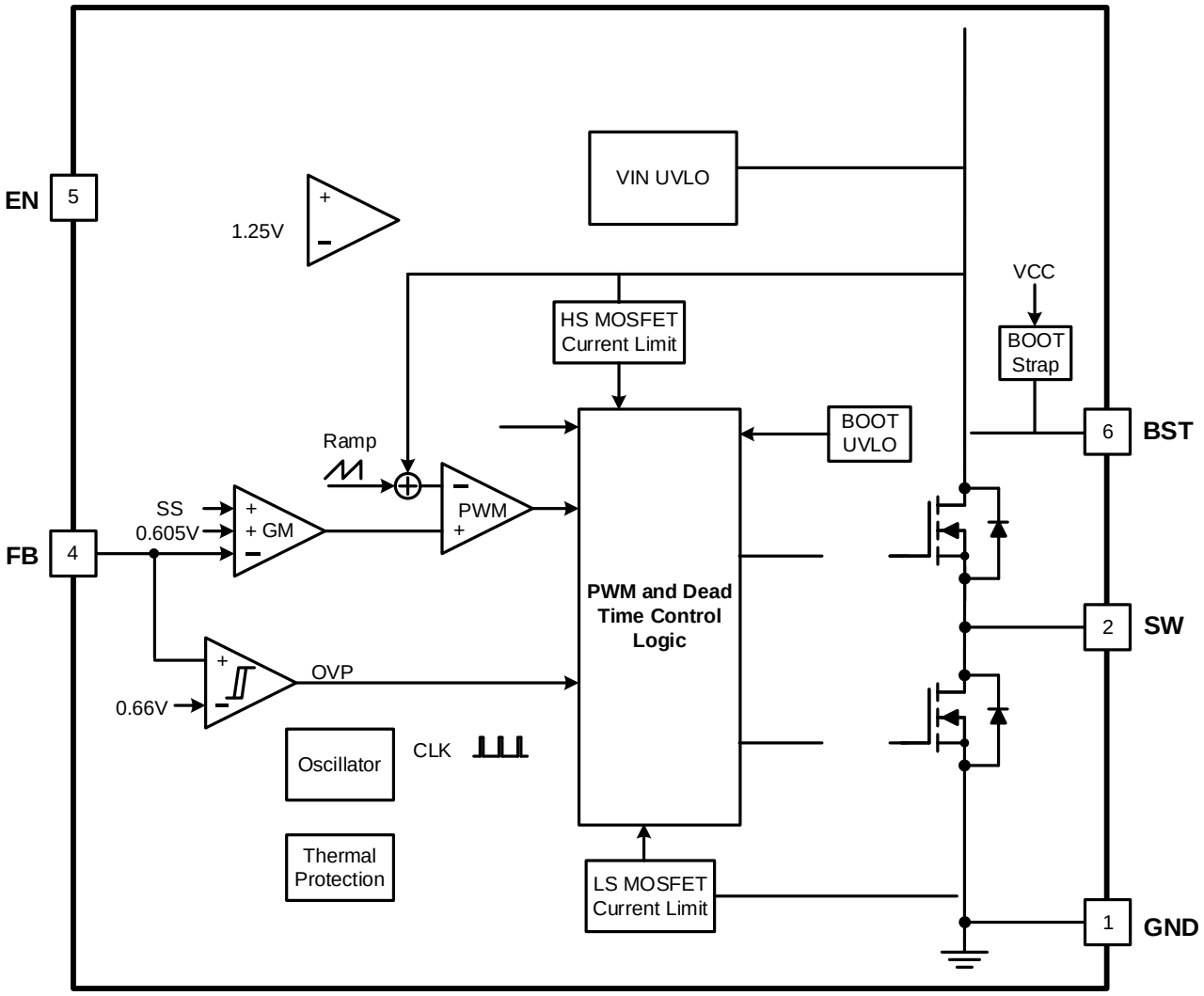
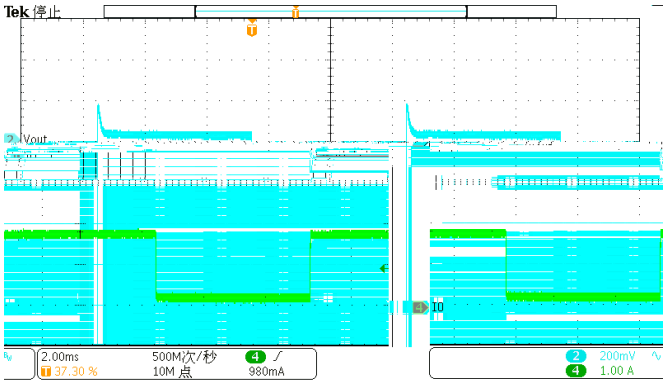
TYPICAL CHARACTERISTICS

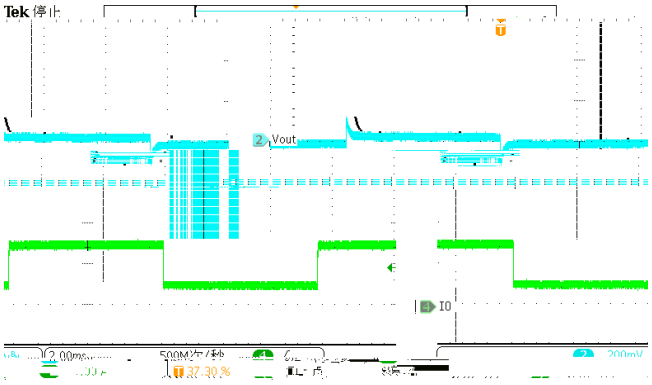
FUNCTIONAL BLOCK DIAGRAM

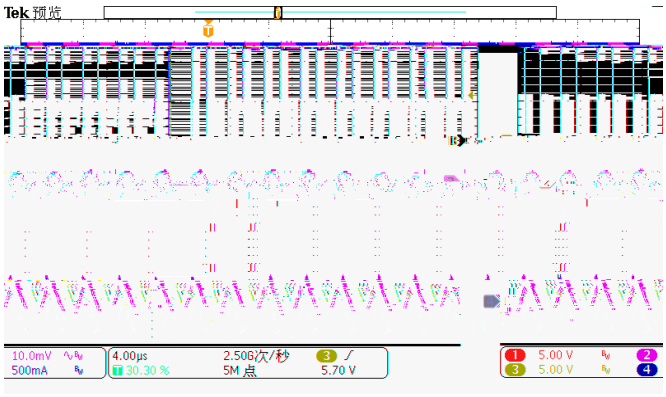


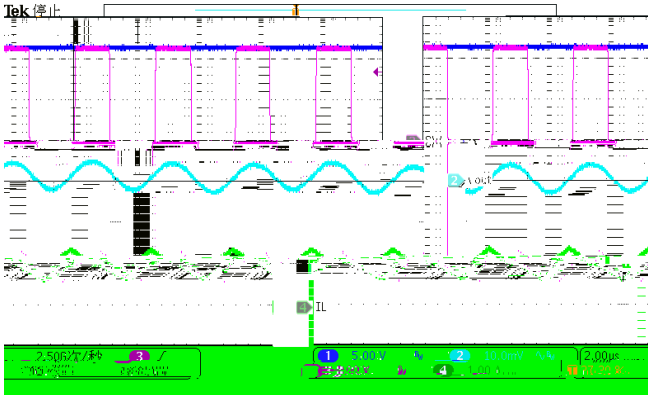
OPERATION

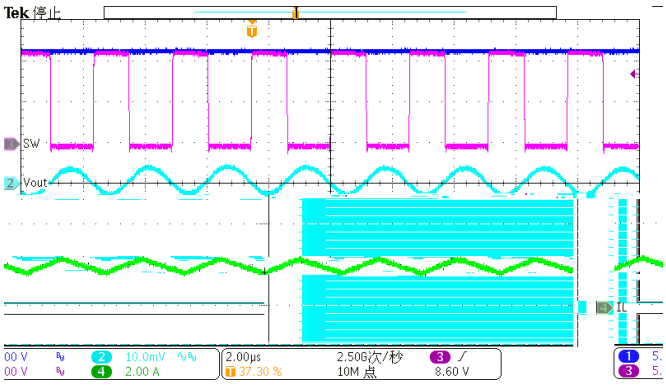
The inductor current is monitored during high-side MOSFET Q1 and low-side MOSFET Q2 on. The SCT2321E implements over current protection with cycle-by-cycle limiting high-side MOSFET peak current and low-side MOSFET valley current to avoid inductor current running away during unexpected overload or output hard short condition.


Tek 停止
Vout
IO
2.00ms
500M次/秒
10M 点
980mA
200mV
1.00 A


Tek 停止
Vout
IO


Tek 预览
10.0mV
500mA
4.00µs
30.30 %
2.50G次/秒
5M 点
5.70 V
5.00 V
5.00 V


Tek 停止
Vout
IL
2.50G次/秒

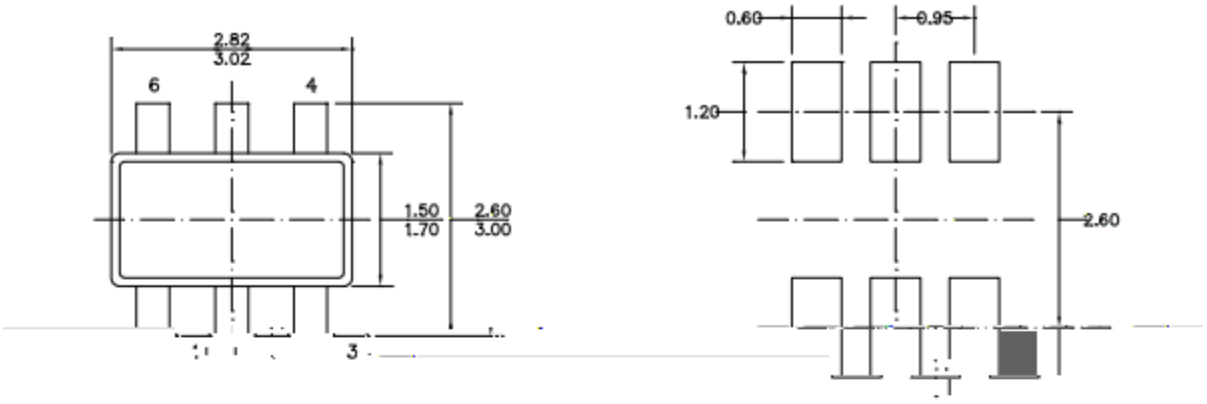
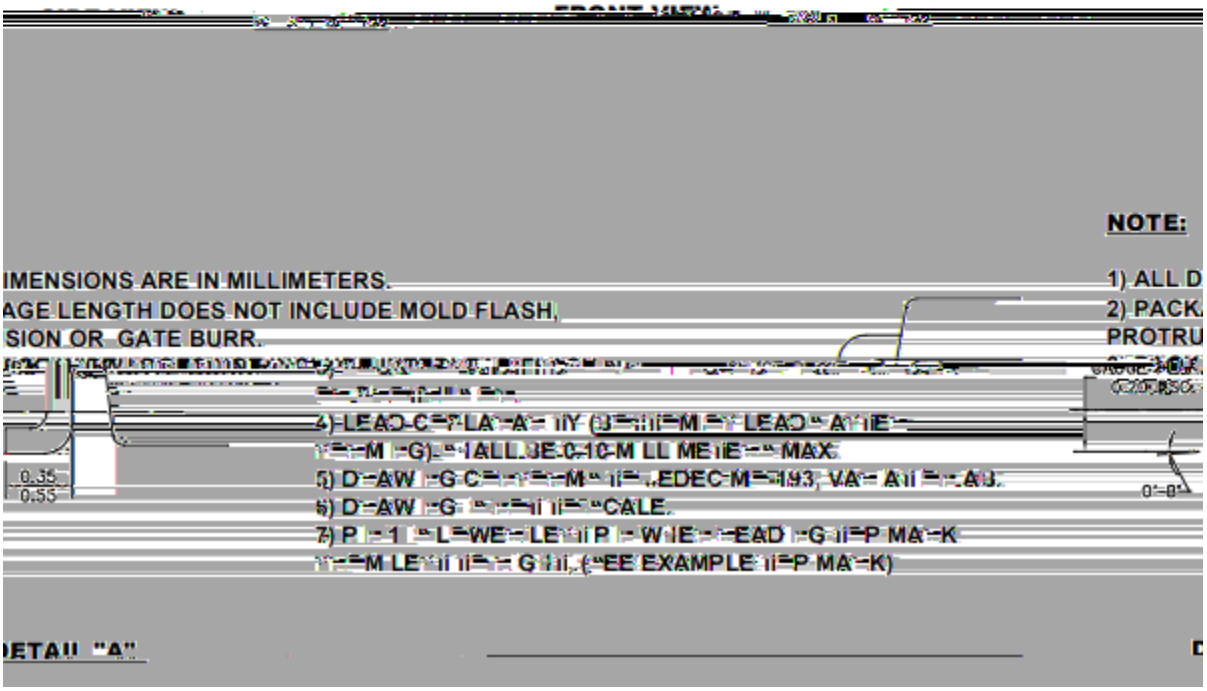

Tek 停止
SW
Vout
IL
10.0mV
2.00 A
2.00µs
37.30 %
2.50G次/秒
10M 点
8.60 V

FLUKE
63.9°C
自动 1
67.5
24.4
ε=0.9
BG=
04:36:46 PM

1.

2.

PACKAGE INFORMATION



TOP VIEW **RECOMMENDED LAND PATTERN**