K OBLBHG ABLMHKR

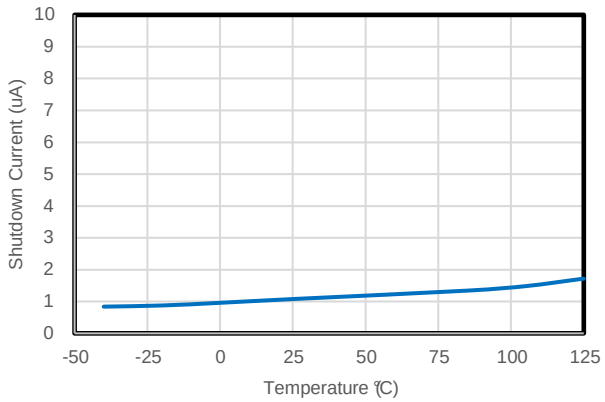
K HF F G HI K MBG HG BMBHGL

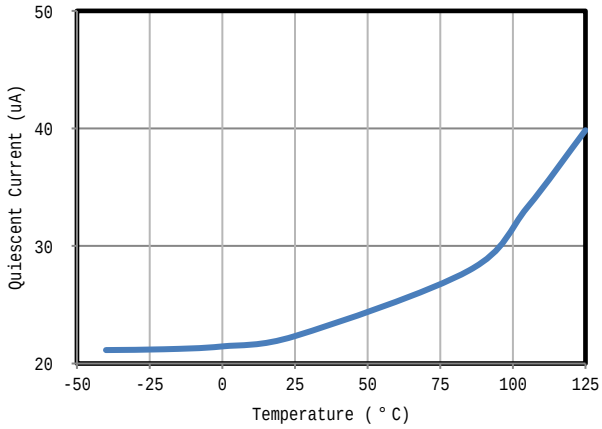
PARAMETER [redacted]

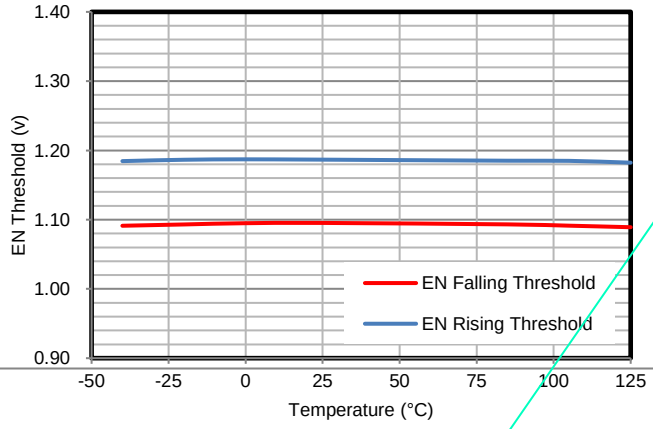
E MKB E A K M KBLMB L

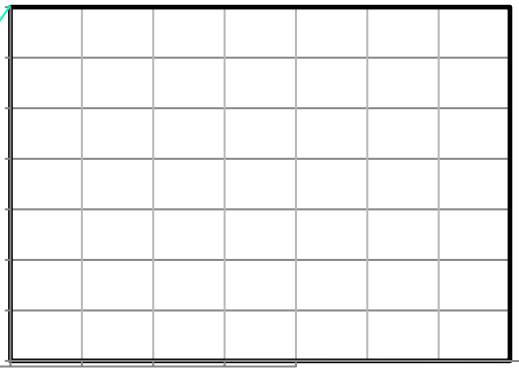
SYMBOL	PARAMETER	TEST CONDITION	MIN	TYP	MAX	UNIT
Power Supply						

MRI B E A K M KBLMB L


Shutdown Current (uA)
10
9
8
7
6
5
4
3
2
1
0
-50
-25
0
25
50
75
100
125
Temperature (℃)


Quiescent Current (uA)
50
40
30
20
-50
-25
0
25
50
75
100
125
Temperature (° C)


EN Threshold (V)
1.40
1.30
1.20
1.10
1.00
0.90
-50
-25
0
25
50
75
100
125
Temperature (°C)
EN Falling Threshold
EN Rising Threshold



NG MEHG E EH D B K F

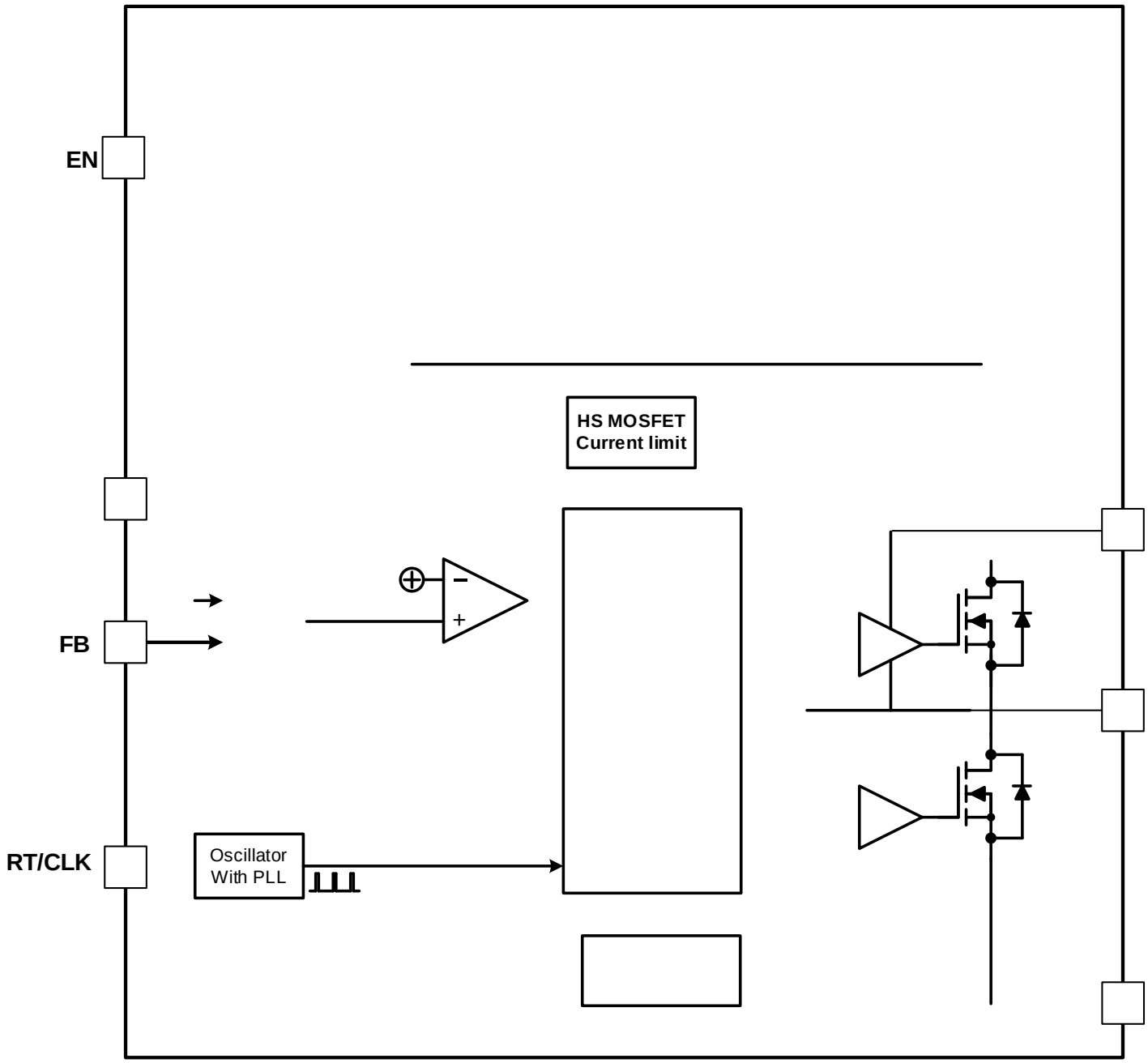


Figure 14. Functional Block Diagram

HI K MBHG

Overview

Frequency Spread Spectrum

Bootstrap Voltage Regulator and Low Drop-out Operation

Over Current Limit and Hiccup Mode

I I EB MBHG BG HKF MBHG

Typical Application

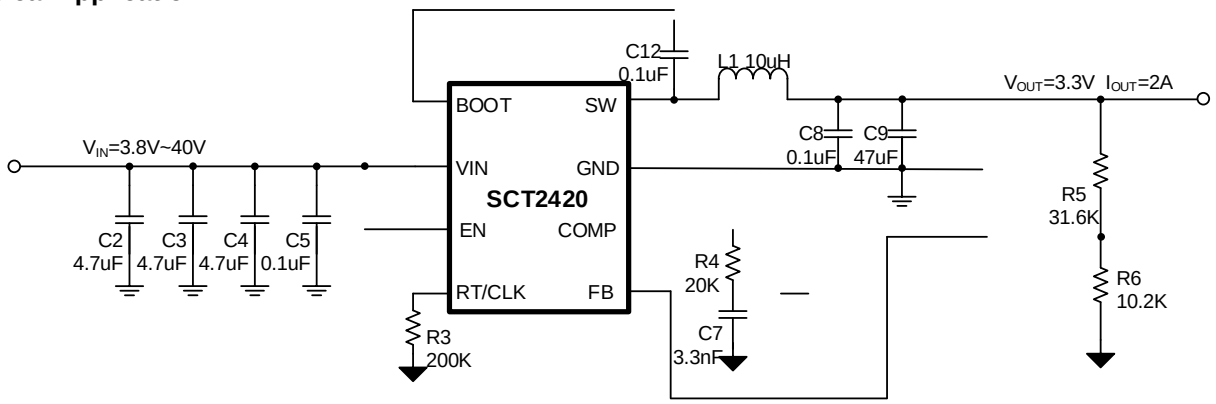


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Figure 18. SCT2420 Design Example, 3.3V Output with Programmable UVLO

Design Parameters

Design Parameters	Example Value

Input Capacitor Selection

Bootstrap Capacitor Selection

Output Capacitor Selection

Inverting Power application

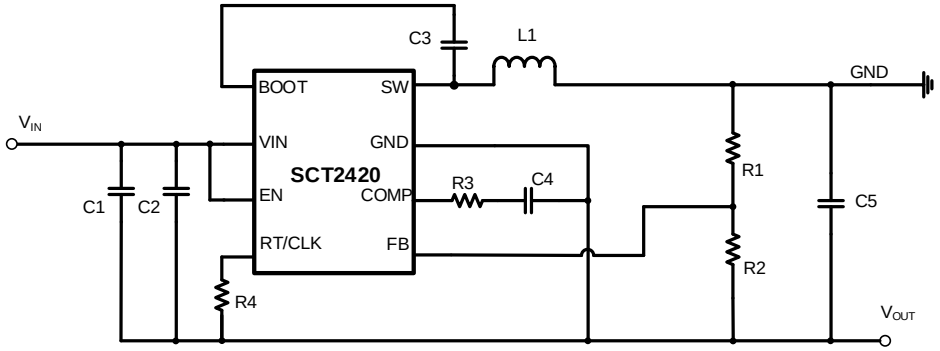
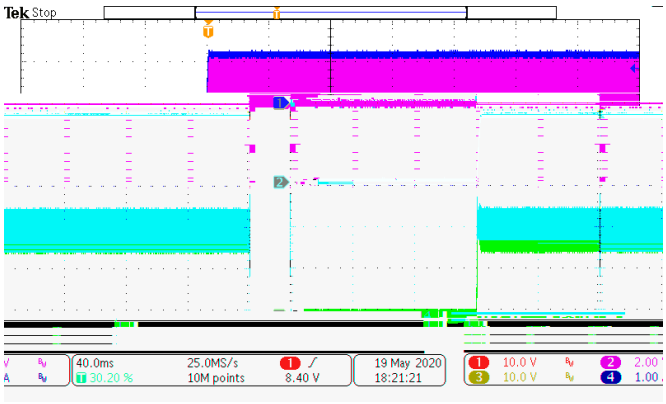
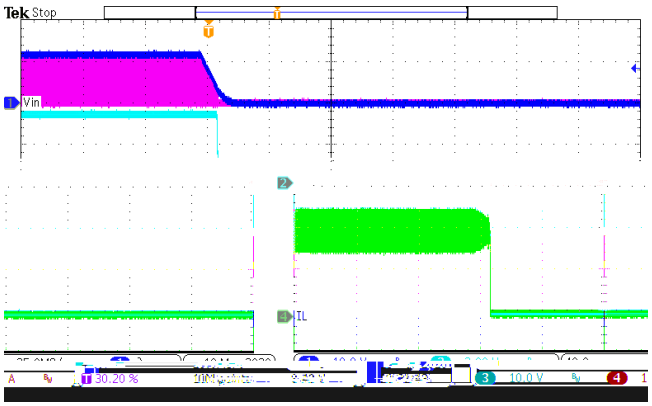
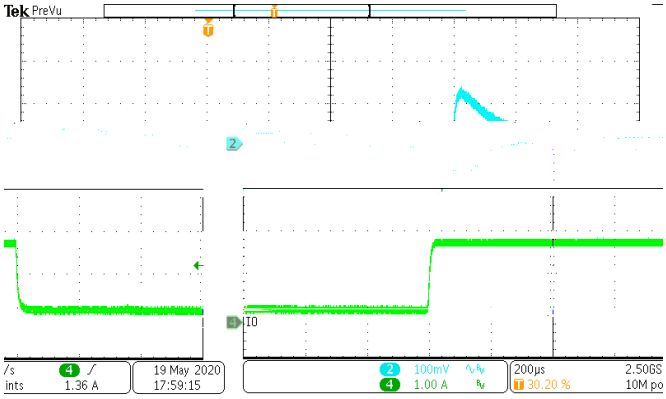


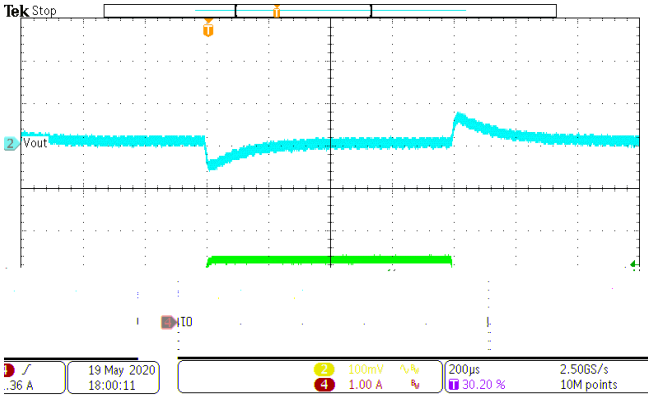
Figure 19. SCT2420 Inverting Power Supply

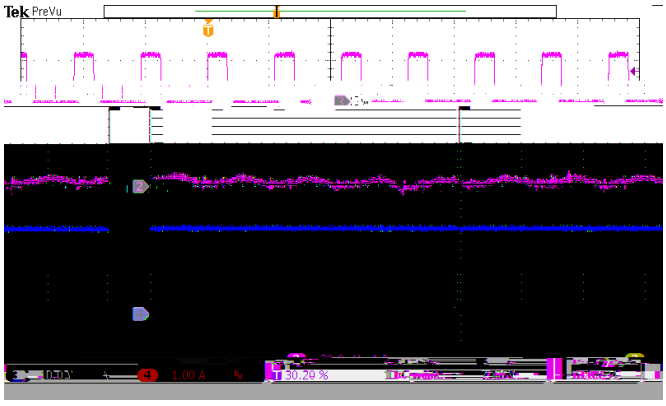
Application Waveforms

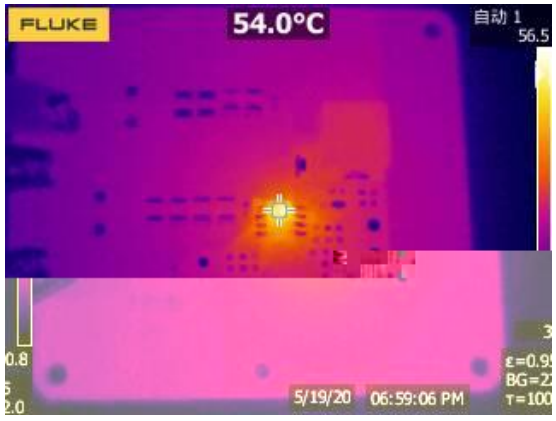












Layout Guideline

1.

2.

3.

4.

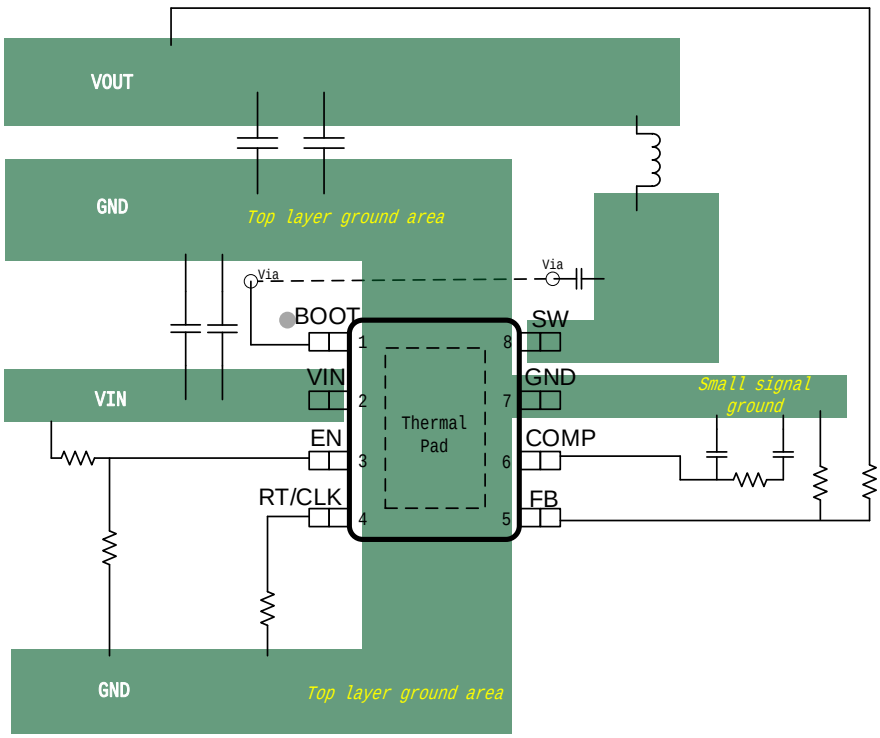
5.

6.

7.

8.

9.



I D BG HKF MBHG