

4.5V-60V Vin, 3.5A, High Efficiency Step-down DCDC Converter with Programmable Frequency

FEATURES DESCRIPTION

APPLICATIONS



REVISION HISTORY

	4)	
	1)	
ABSOLUTE MA	XIMUM RATINGS	PIN CONFIGURATION
		BOOT 1 1 8 SW
		$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
		EN 3 Thermal Pad 6 COMP
		—— RT/CLK ☐ 4 ——— 5 ☐ FB
IN FUNCTIONS	.	
	,	



RECOMME	ENDED OPE	RATING COND	ITIONS		
ESD RATI	NGS				
(1) (2)					
ΓHERMAL	. INFORMAT	`ION			
ELECTRIC	AL CHARAC	TERISTICS			



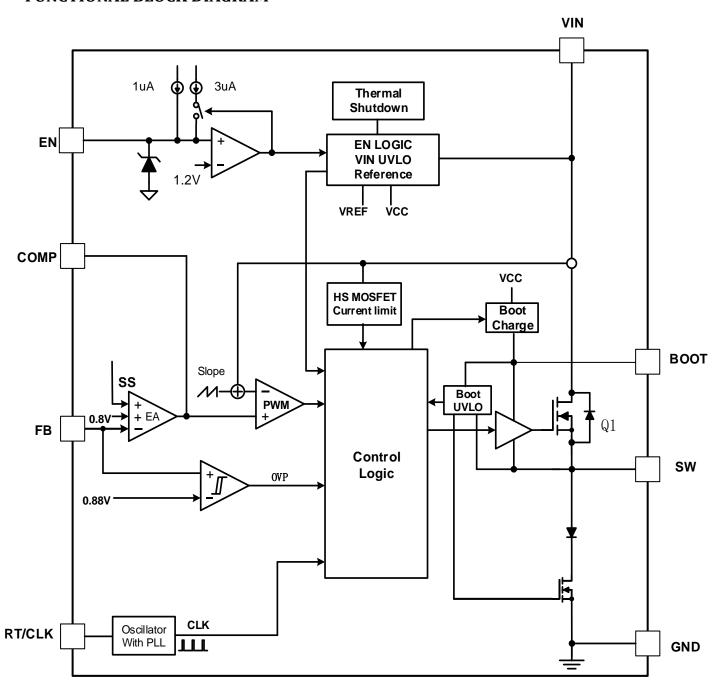
-		T		
		l		



TYPICAL CHARACTERISTICS



FUNCTIONAL BLOCK DIAGRAM

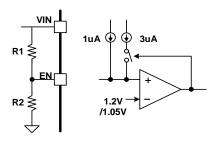




OPERATION



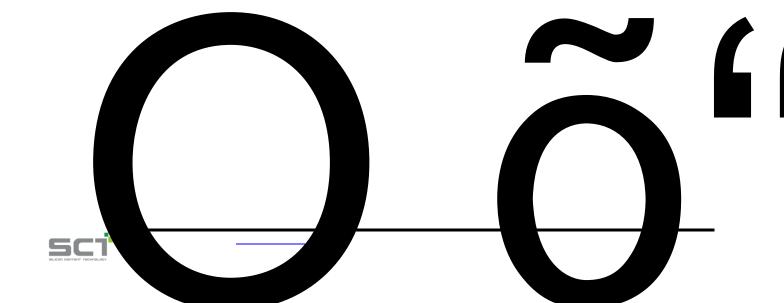
$$\begin{array}{r}
 207 \\
 \hline
 537 \\
 \hline
 327 \\
 \hline
 327
\end{array}$$



1% tolerance

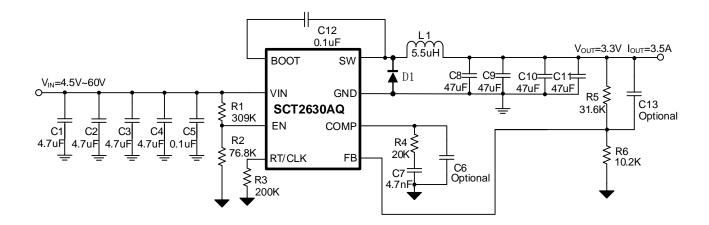
_____ 3







APPLICATION INFORMATION





____ 3

______ 3 _____

____ 3 ____



_____ 3 ____



3 _____

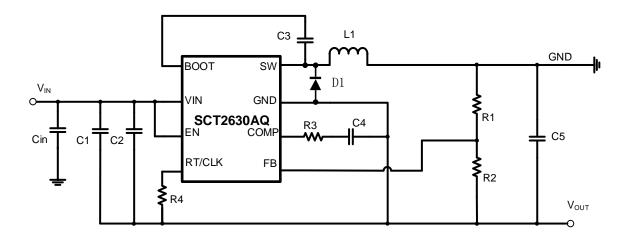
3

3

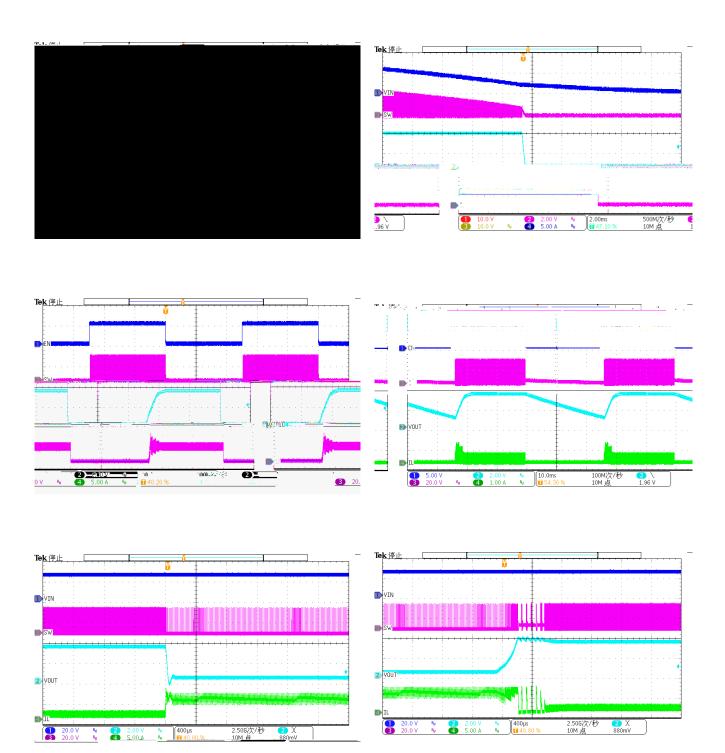
3



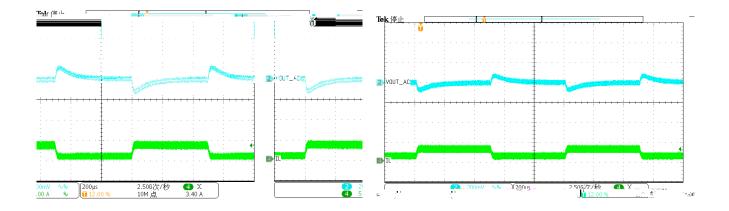


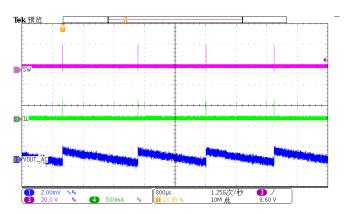


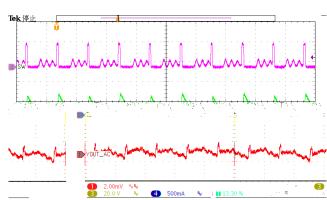


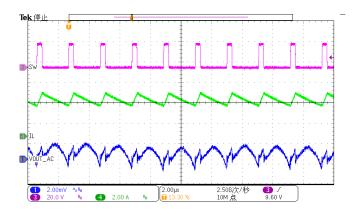


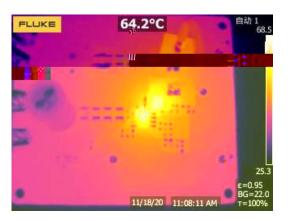














1.

2.

3.

4.

5.

6.

7.

8.

9. 10.

VOUT
Output Capacitors

GND
Top layer ground area

Via

BOO
Capacitor

VIN

Feedback
resistors

Programmable
UVLO resistors

Inductor

Swall signal
ground
COMP
FB
Compensation

Feedback
resistors



TAPE AND REEL INFORMATION



