

5.5V-60V Vin, 3A, High Efficiency Step-down DCDC Converter

FEATURES

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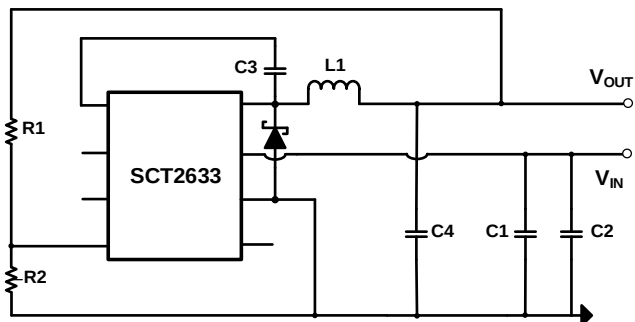
DESCRIPTION

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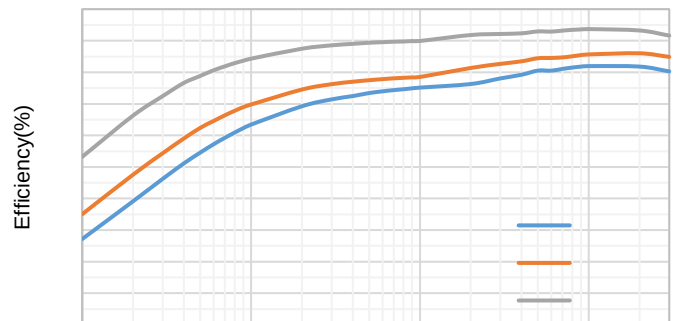
APPLICATIONS

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TYPICAL APPLICATION



5.5V-60V, Asynchronous Buck Converter



Output Current(A)

(I I L F L H Q L F Q 9

REVISION HISTORY

DEVICE ORDER INFORMATION

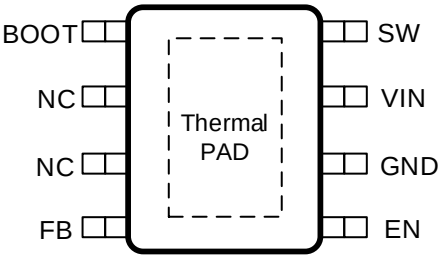
25'(5\$%/('(9,&(	3\$&.\$*,1* 7<3(	67\$1'\$5' 3\$&. 47<	3\$&.\$*(0\$5.,1*	3,16	3\$&.\$*('(6&5,37,21

ABSOLUTE MAXIMUM RATINGS

'(6&5,37,21	0,1	0\$;	81,7

- (1)
(2)

PIN CONFIGURATION



)LJXUH/HDG 300023LF

PIN FUNCTIONS

1\$0(	12	3,1)81&7,21
		Enable pin to the regulator with internal pull-up current source. Pull below 1.05V to disable the converter. Float or connect to VIN to enable the converter. The tap of resistor divider from VIN to GND connecting EN pin can adjust the input voltage lockout threshold.
		Ground

RECOMMENDED OPERATING CONDITIONS

3\$5\$0(7(5	'(),1,7,21	0,1	0\$;	81,7

ESD RATINGS

3\$5\$0(7(5	'(),1,7,21	0,1	0\$;	81,7
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ELECTRICAL CHARACTERISTICS

6<0%2/	3\$5\$0(7(5	7(67 & 21',7,21	0,1 7<3 0\$;	81,7
3RZHU 6XSSO\				

TYPICAL CHARACTERISTICS

FUNCTIONAL BLOCK DIAGRAM

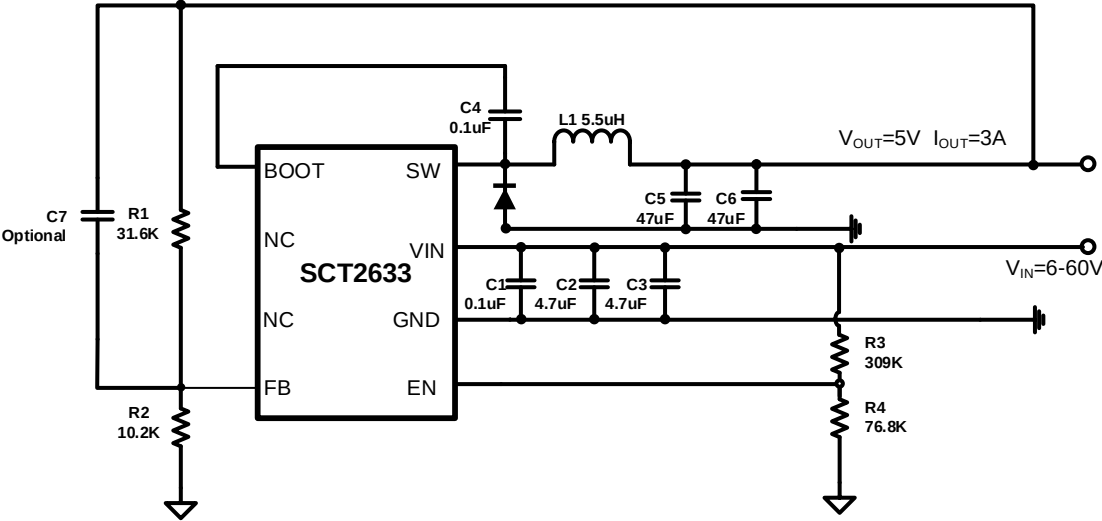
OPERATION

2YHUYLHZ

3HDAUXUUBRQWURO

APPLICATION INFORMATION

7\SLFDO \$SSOLF DWLRQ



)LJXUH6&7 'HVLJQ ([DP9OXWSXW ZLWK 3URJUDPPDEOH 89/;

'HVLJQ 3DUDPHWHUV

'HVLJQ 3DUDPHWHUV	([DP SOH 9DOXH

2XWSXW 9ROWDJH

b " (b e e ed f eb
ee f

9 ₂₈₇	5	5

8QGHU 9R/OWDXM

,QGXFWRU 6HOHFWLRQ

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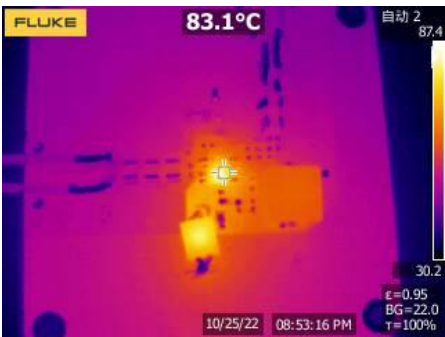
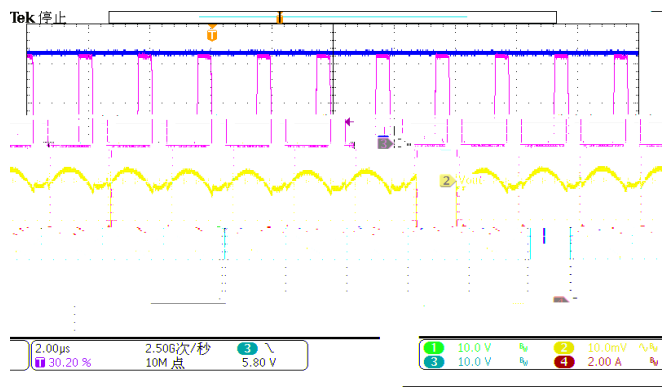
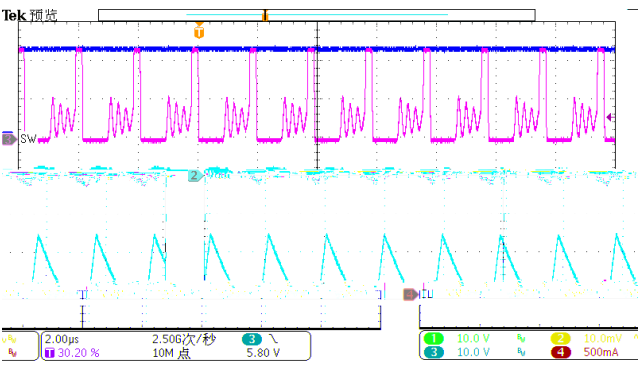
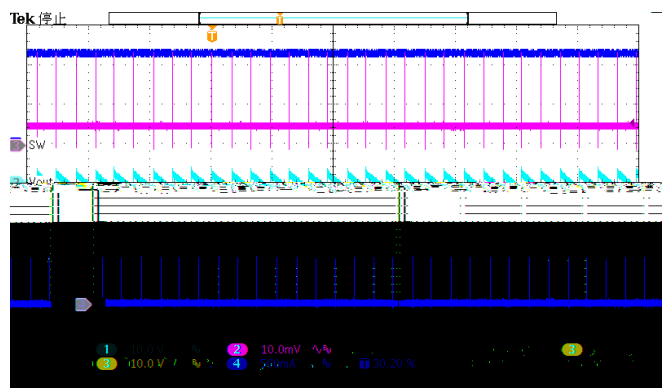
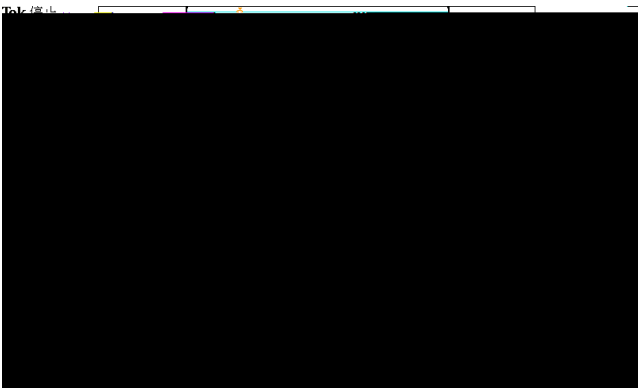
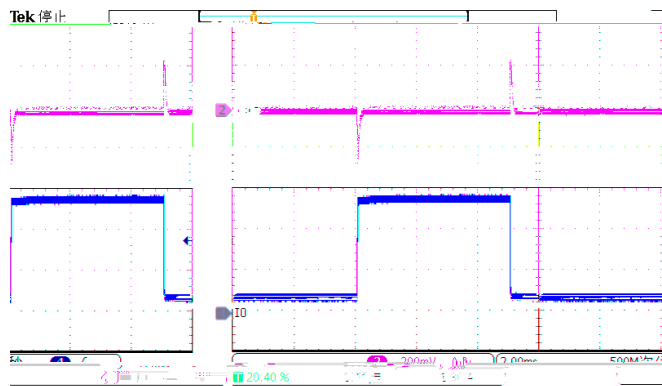
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, Q XW & D S D F L W R U 6 H O H F W L R Q

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\$SSOLFDWLRQ :DYHIRUPV FRQWLQXH



/D\RX*WLGHOLQH

1.

2.

3.

4.

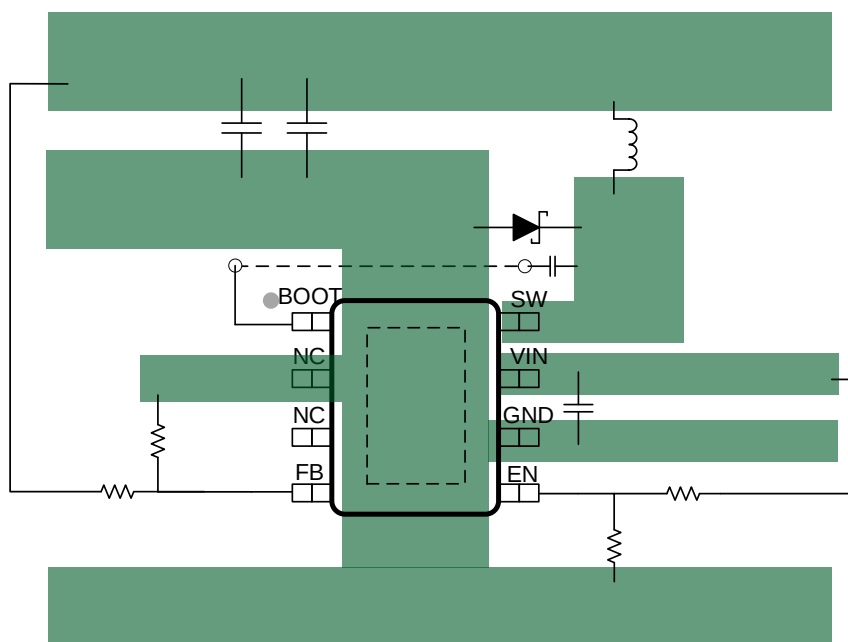
5.

6.

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PACKAGE INFORMATION

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TAPE AND REEL INFORMATION

