

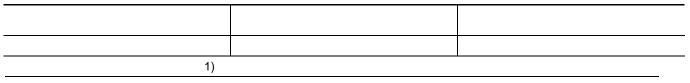
3.8V-60V Vin, 2.5A, High Efficiency Step-down DCDC Converter with Programmable Frequency

FEATURES

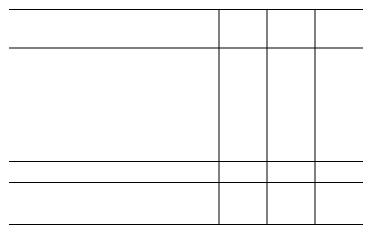


REVISION HISTORY

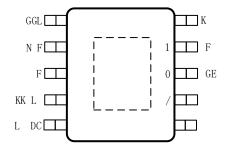
DEVICE ORDER INFORMATION



ABSOLUTE MAXIMUM RATINGS



PIN CONFIGURATION



(1)

(2)

PIN FUNCTIONS



| | _ |
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RECOMMENDED OPERATING CONDITIONS

ESD RATINGS

| (4) | | |
|-----|--|--|

(1) (2)

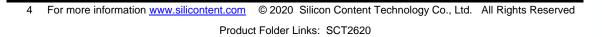
THERMAL INFORMATION

ELECTRICAL CHARACTERISTICS



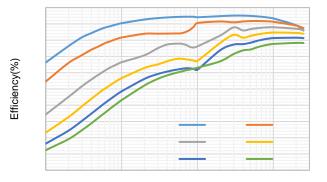
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| POWER GOOD (% of FB voltage) |
|------------------------------|
| POWER BAD (% of FB voltage) |
| POWER BAD (% of FB voltage) |
| POWER GOOD (% of FB voltage) |
| VPull-Up = 5V |
| IPull-Up = 1 mA |

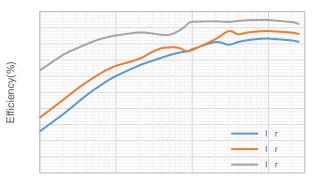




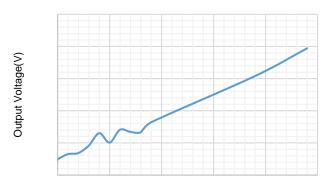
TYPICAL CHARACTERISTICS



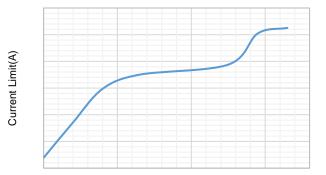
Output Current(A)



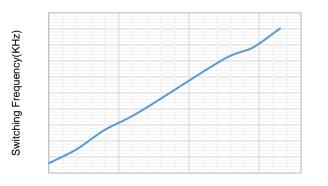
Output Current(A)



Output Current(A)

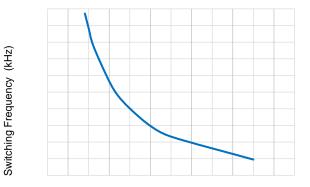


Temperature(°C)



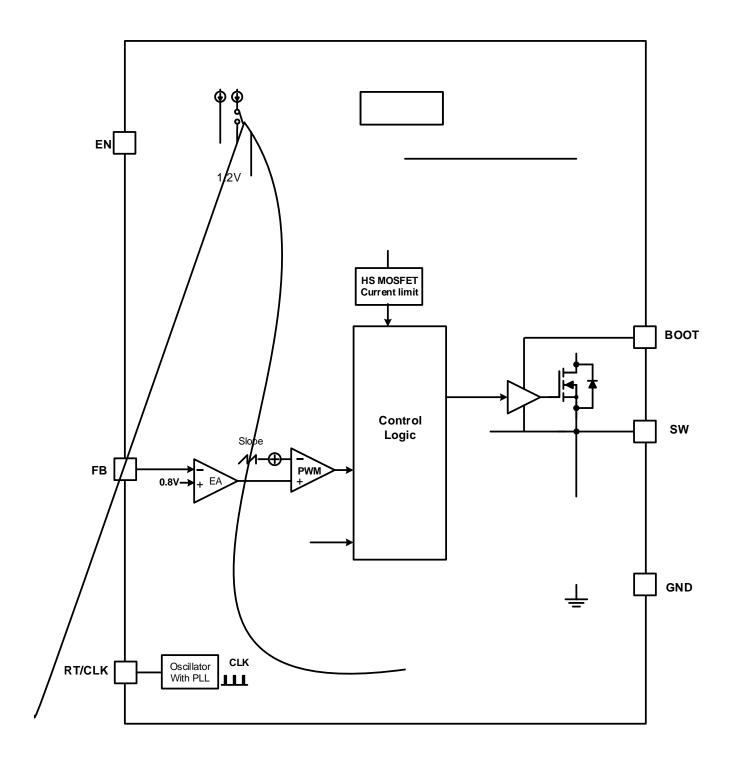
Temperature(°C)

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FUNCTIONAL BLOCK DIAGRAM





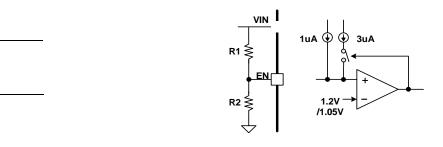
OPERATION

Overview

Peak Current Mode Control

Enable and Under Voltage Lockout Threshold



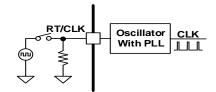


Output Voltage

1%

Switching Frequency and Clock Synchronization







Over voltage Protection

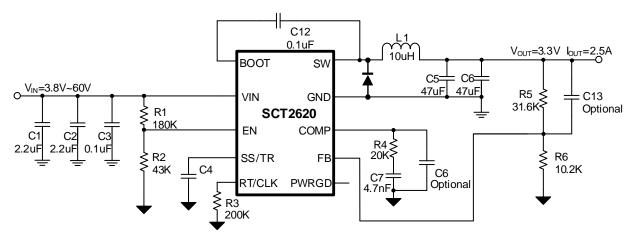
Power Good (PWRGD Pin)

Thermal Shutdown



APPLICATION INFORMATION

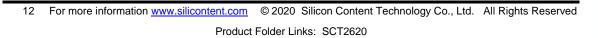
Typical Application



| Design Parameters | | |
|-------------------|--|--|
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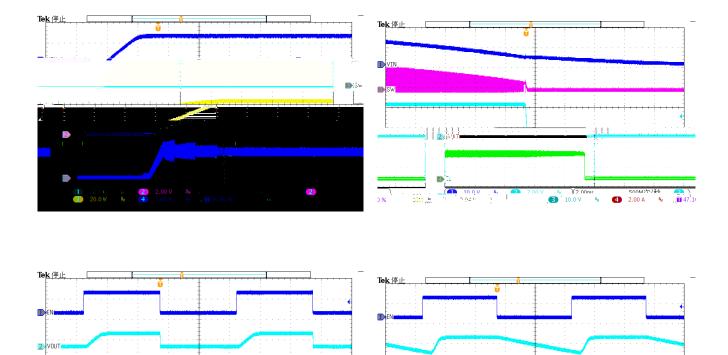


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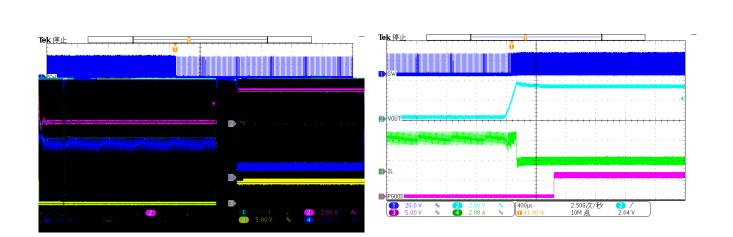




2 VOUT

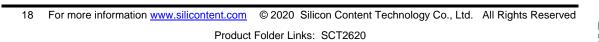
1 \ 5.20 V PGOOD

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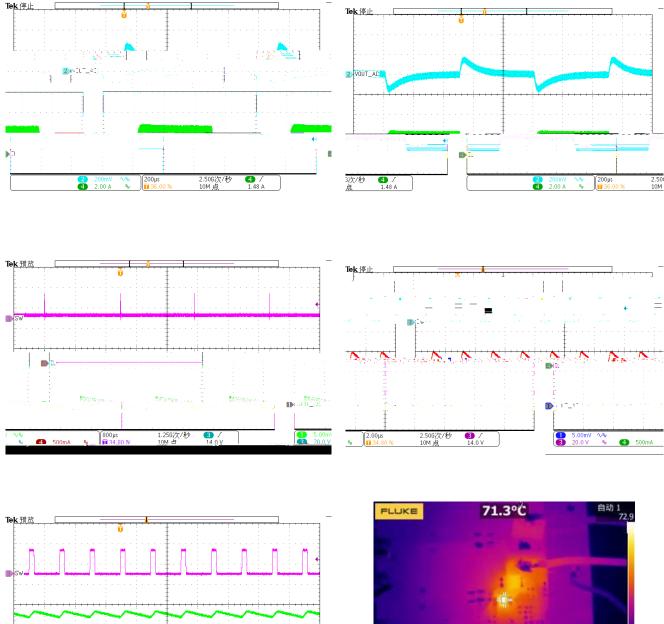
1 10.0 V 3 5.00 V

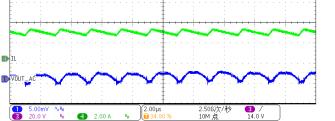




100M次/秒 10M点

10.0m









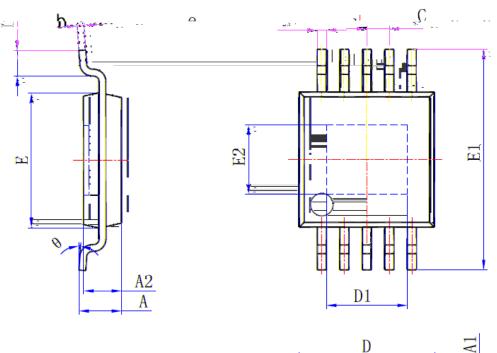
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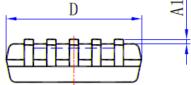
Layout Guideline

1.



PACKAGE INFORMATION







TAPE AND REEL INFORMATION

