

3.8V-60V Vin, 1.5A, High Efficiency Step-down DCDC Converter with Programmable Frequency

CB ROBP

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OBSERVE THE FOLLOWING

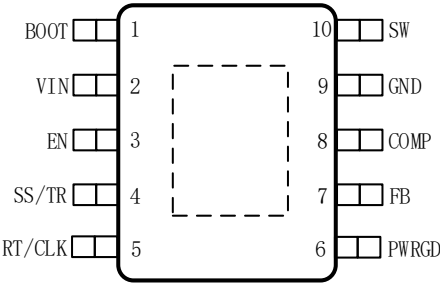
ABS FLOWBACK FLK

PLIR B UF R KDP

(1)

(2)

MK LKCDRO FLK



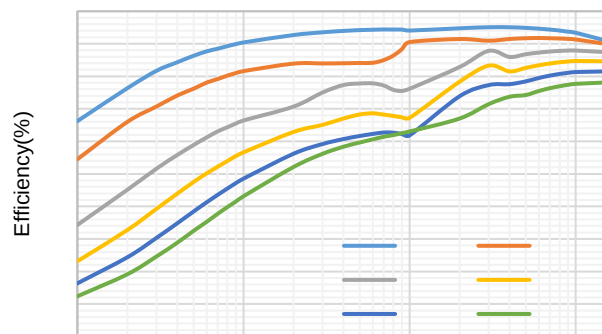
MKCRK FLKP

OB L BKABA L MBO FKD L KAF FL KP

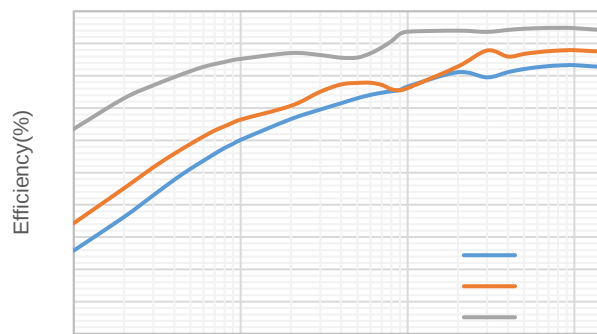
BPA FKDP

BIB OF I²E O BOP F P²

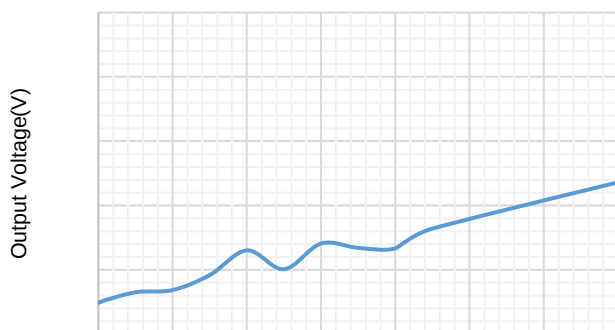
VMF I₂E O BOP F P₂



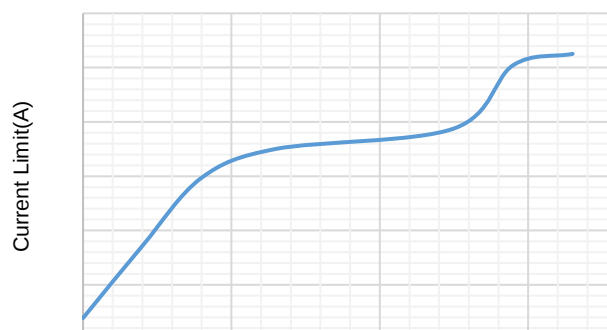
Output Current(A)



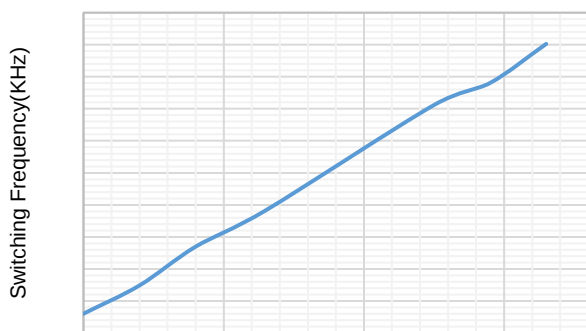
Output Current(A)



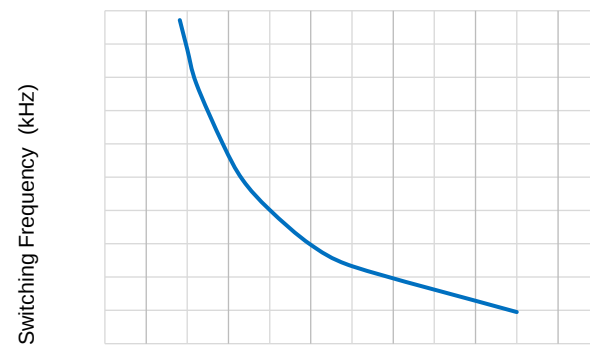
Output Current(A)



Temperature(°C)

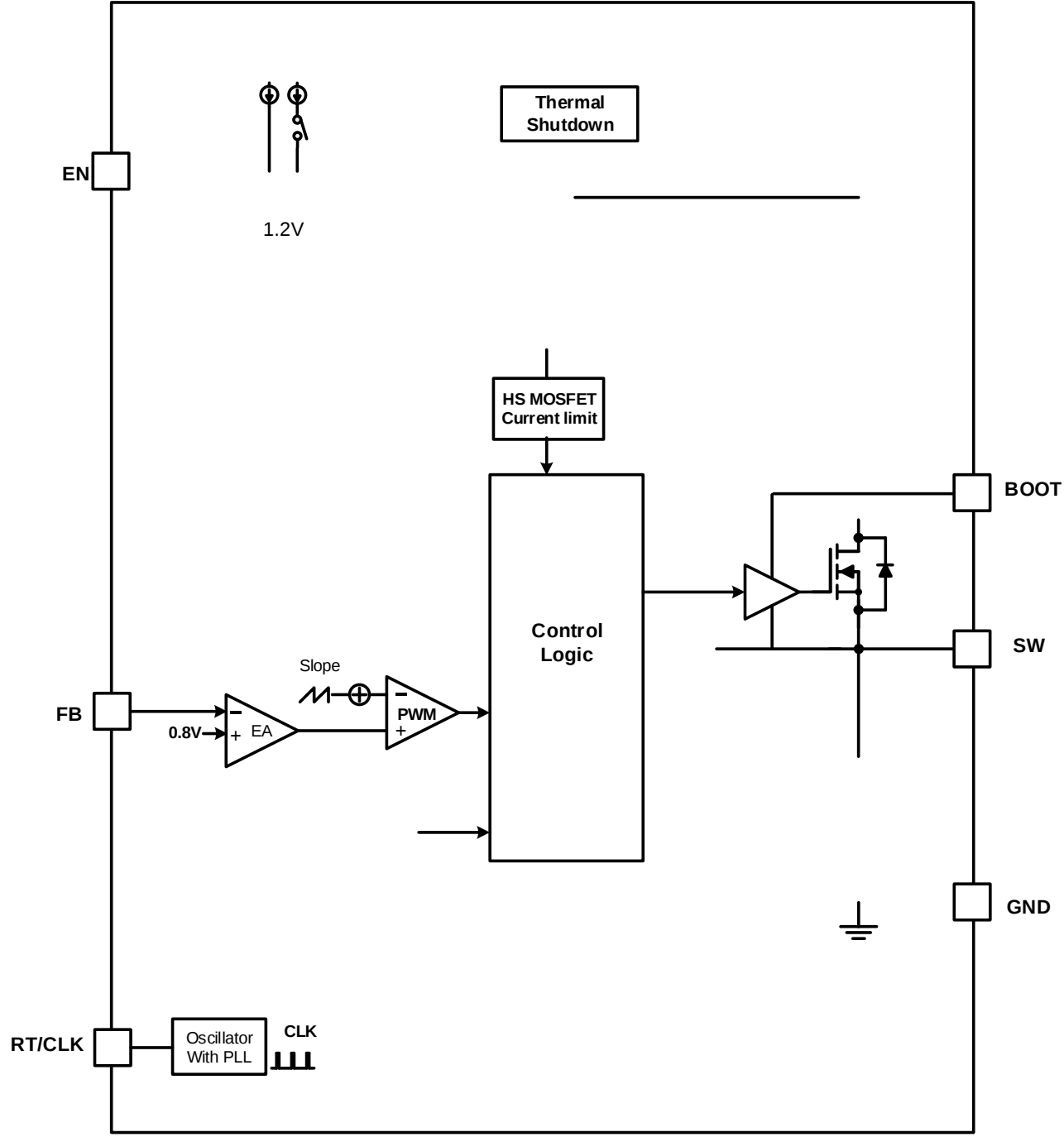


Temperature(°C)



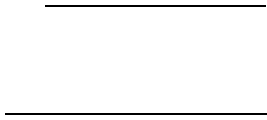
Switching Frequency (kHz)

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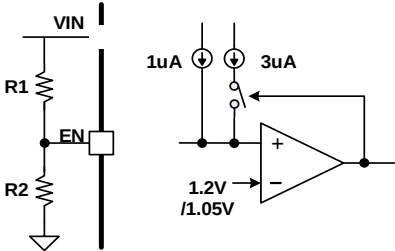
L MBO FL K?

Overview



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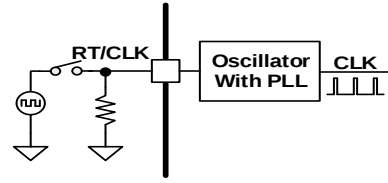
Output Voltage



$\pm$



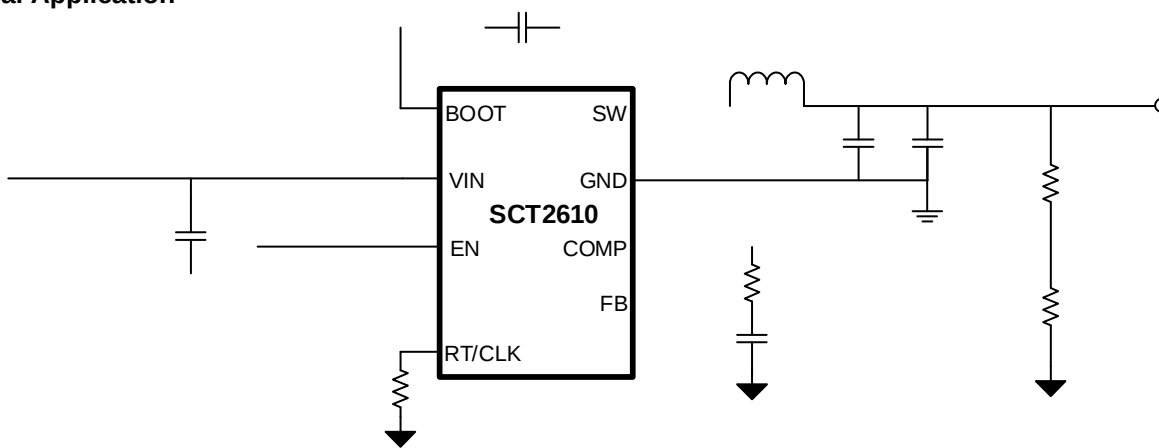
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Bootstrap Voltage Regulator and Low Drop-out Operation

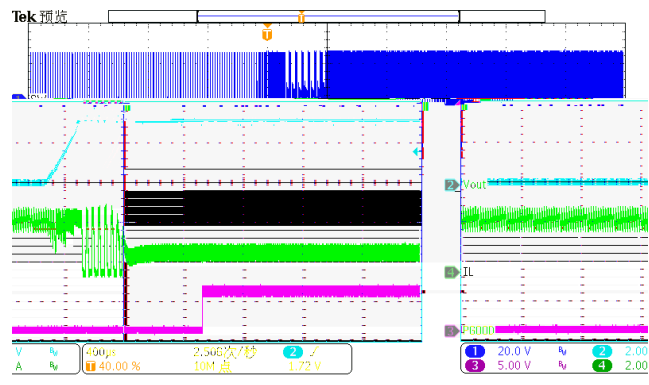
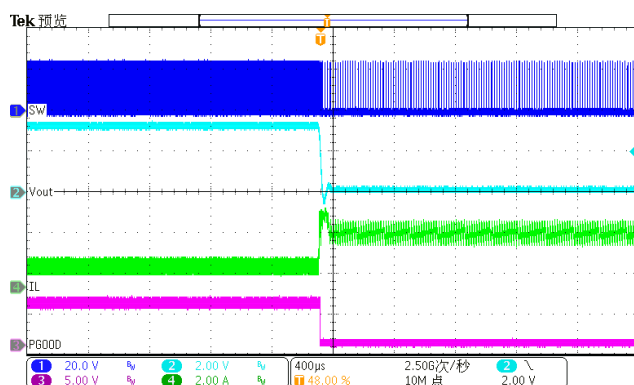
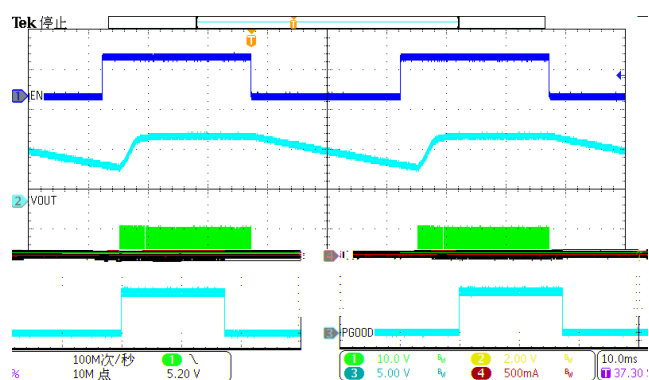
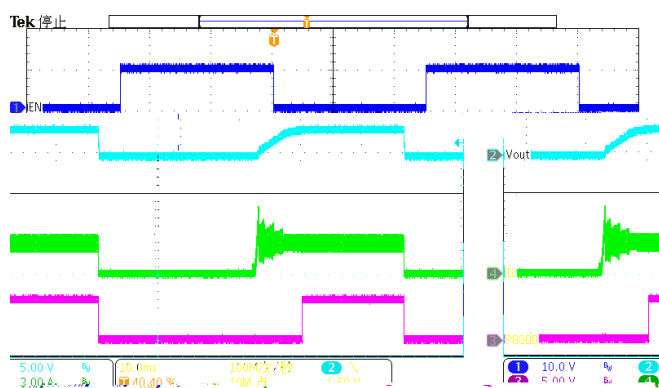
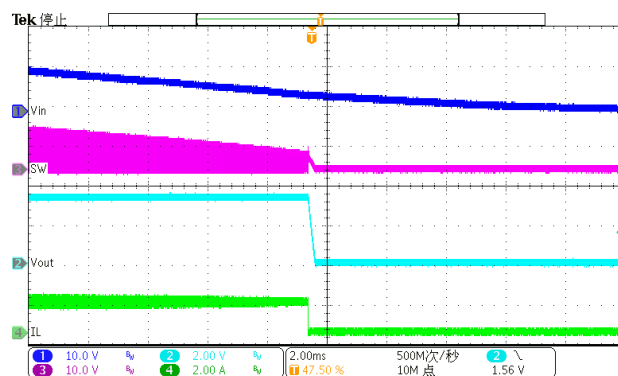
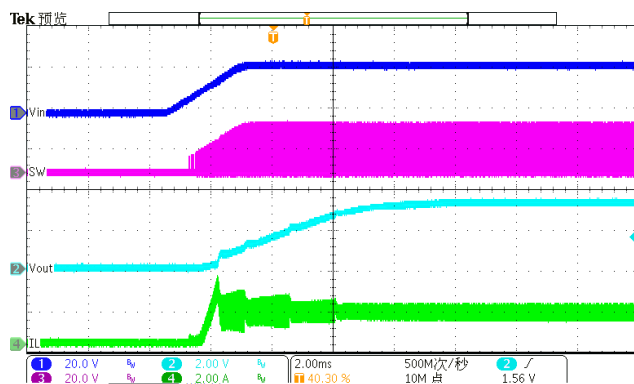
Over Current Limit

Typical Application



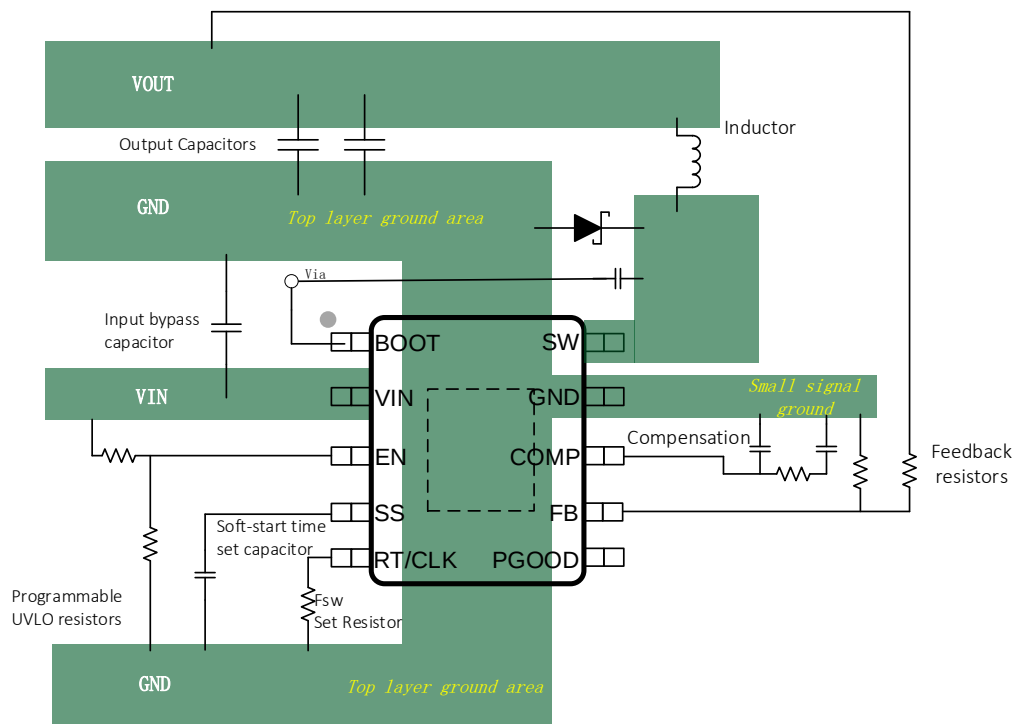
Design Parameters

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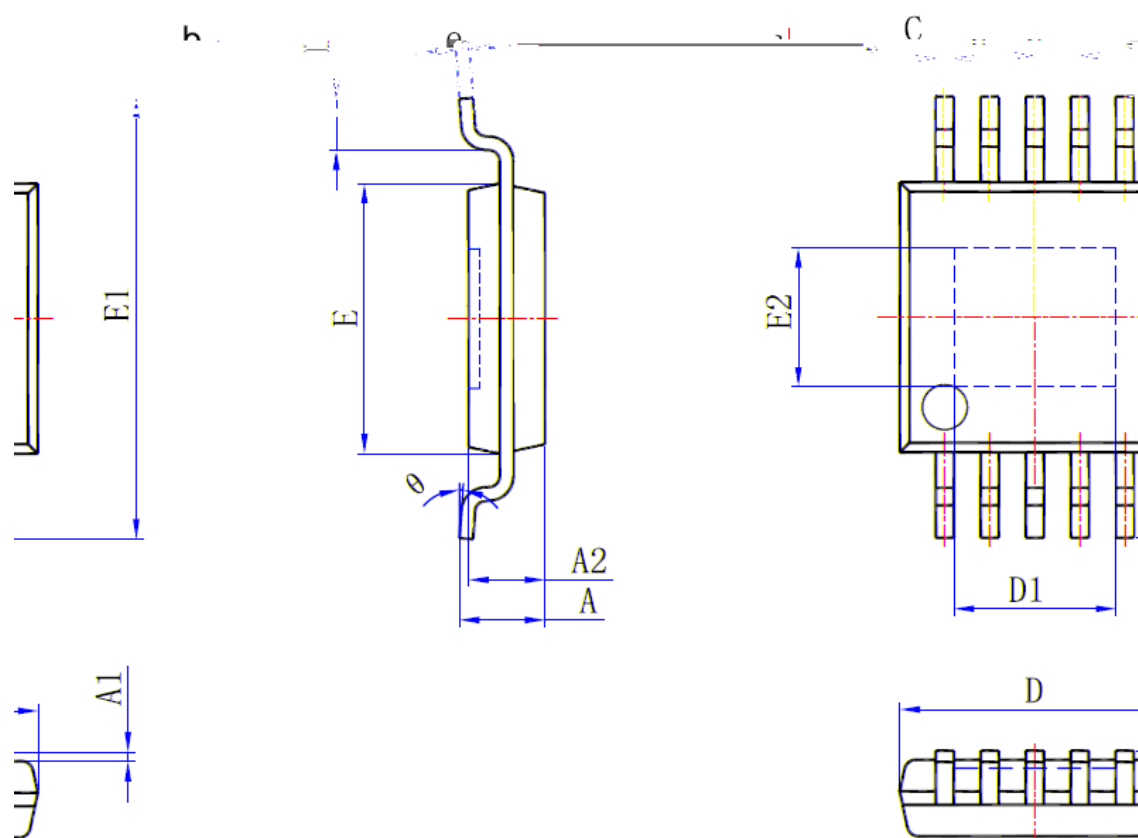


Layout Guideline

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.
- 7.
- 8.
- 9.
- 10.



M H DB?FKCL O FL K

[illegible]

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.

MB2 KA7OBBI 7KCL O FL K2

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