

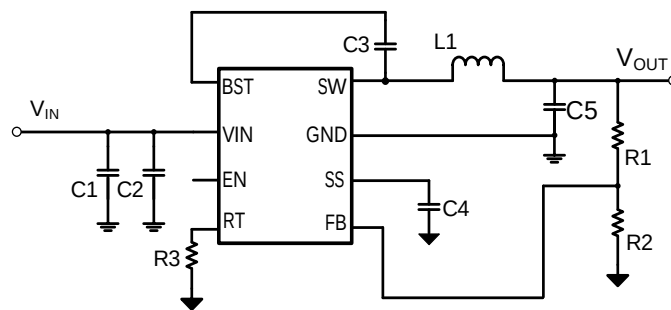
3.8V-30V Vin, 3A, High Efficiency Synchronous Step-down DCDC Converter

FEATURES

DESCRIPTION

APPLICATIONS

TYPICAL APPLICATION



3.8V-30V, Synchronous Buck Converter
Simplified schematic diagram

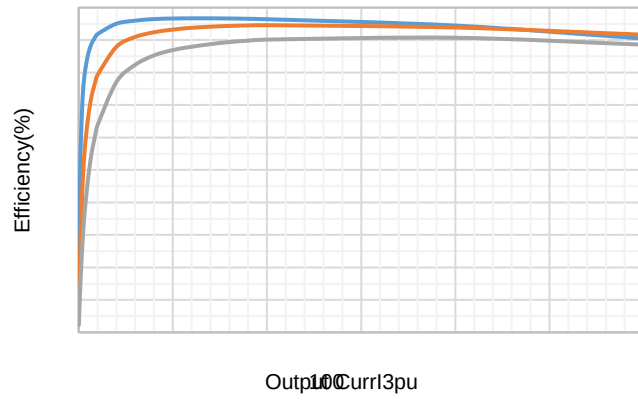
RECOMMENDED OPERATING CONDITIONS

ESD RATINGS

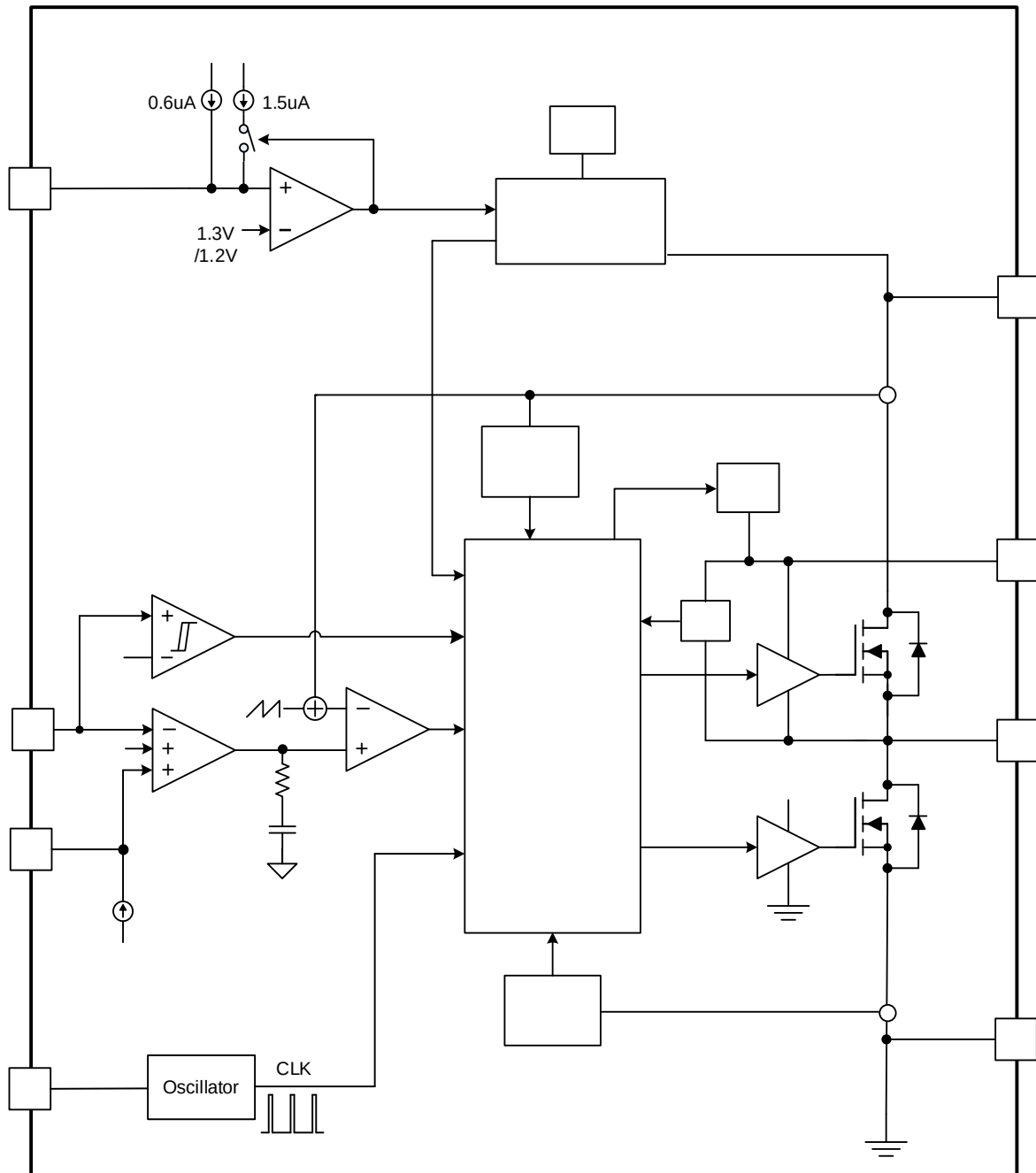
(1)
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THERMAL INFORMATION

TYPICAL CHARACTERISTICS

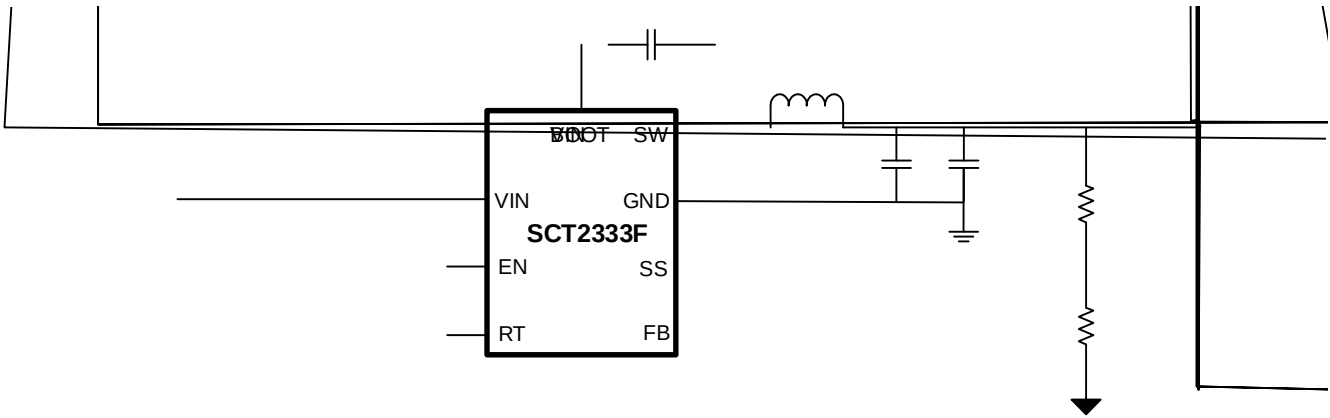


FUNCTIONAL BLOCK DIAGRAM



OPERATION

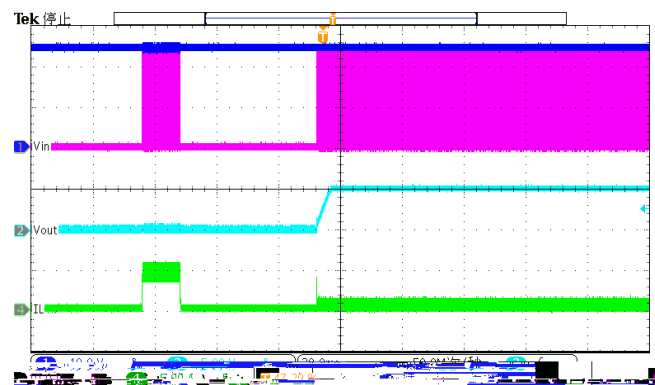
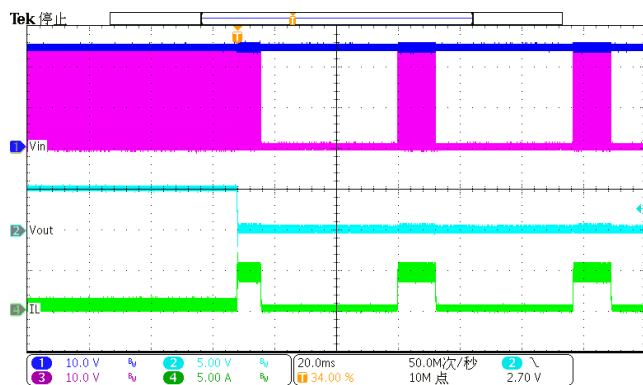
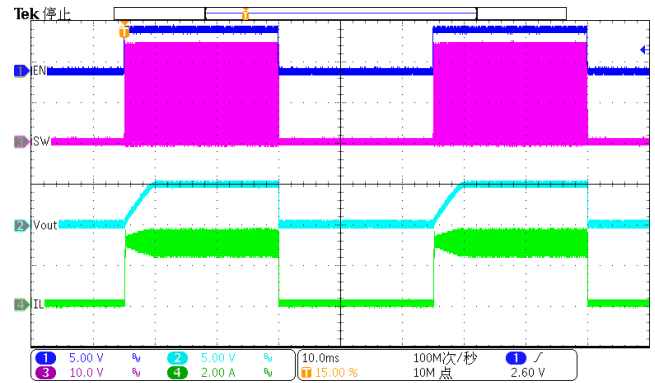
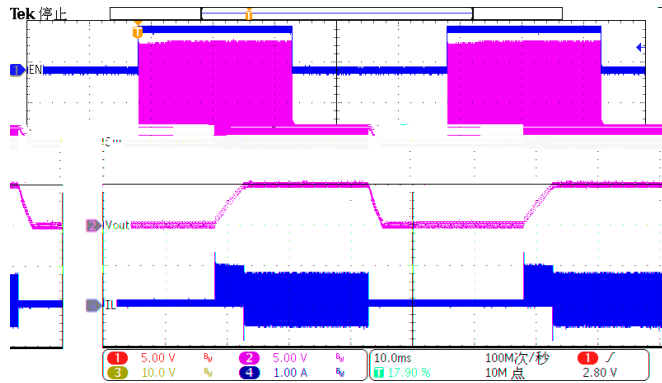
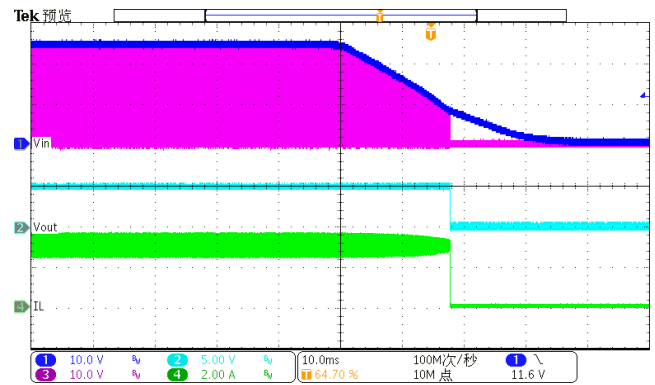
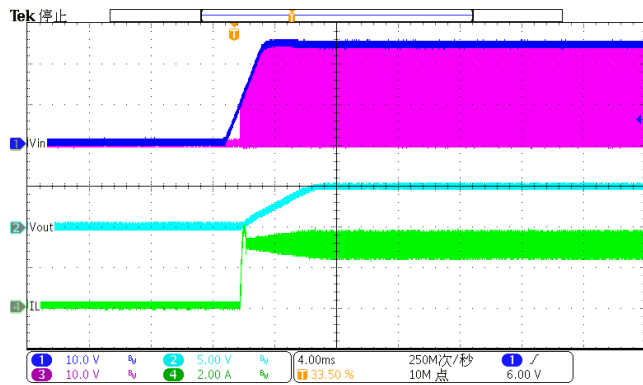
APPLICATION INFORMATION

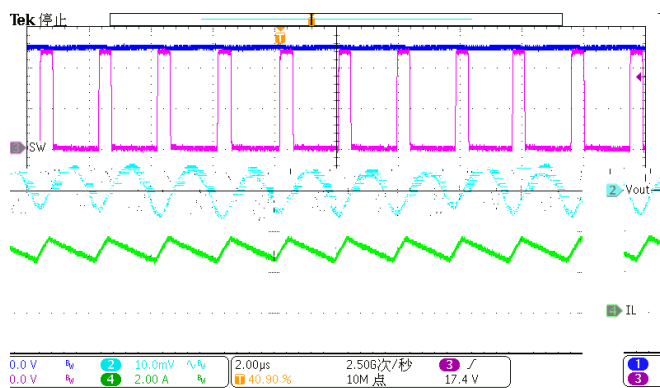
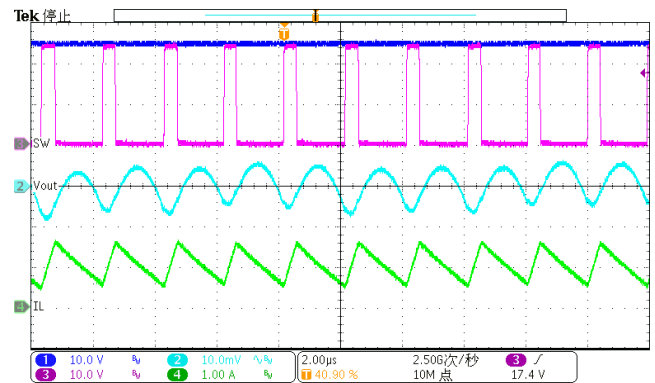
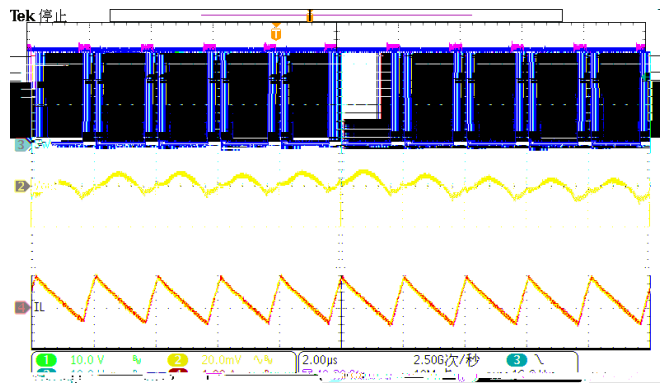
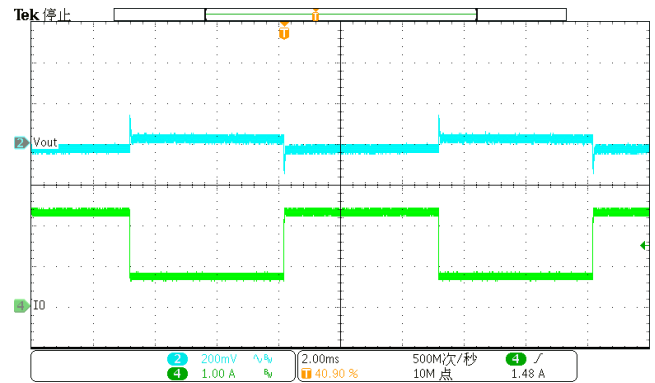
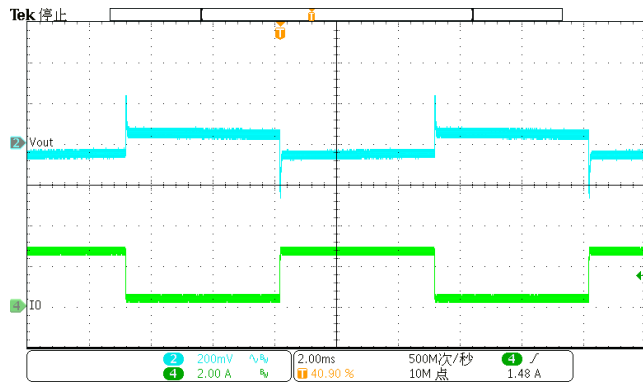


VIN

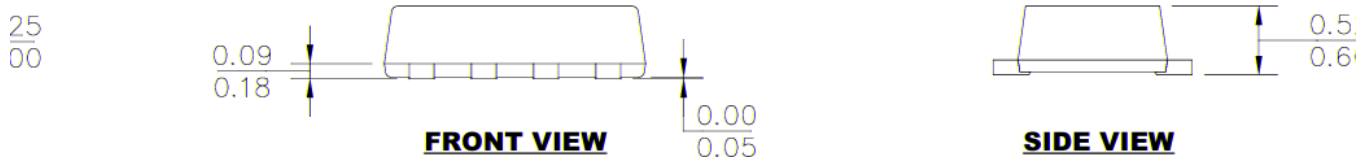
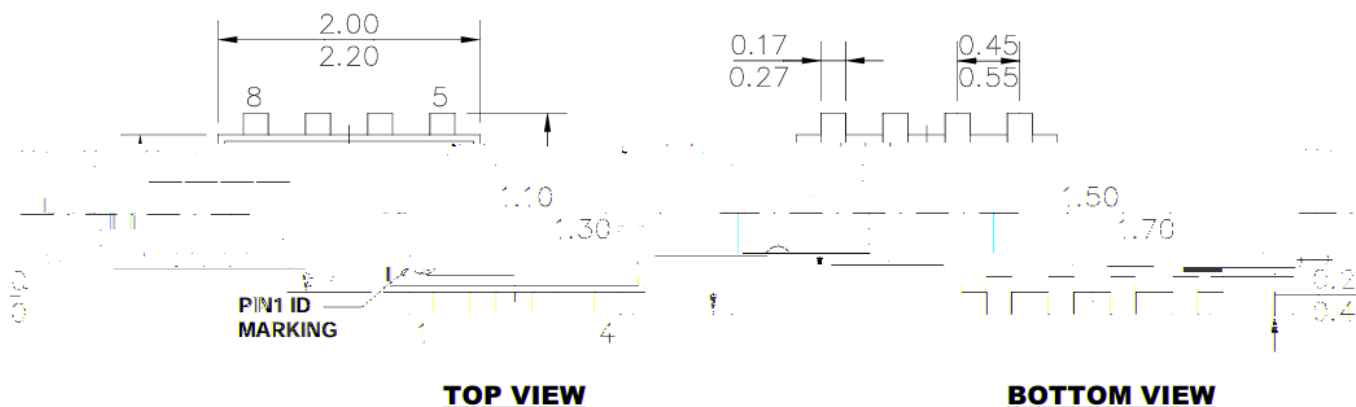
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VOUT	FREQUENCY	R1	R2	R _{RT}	L1		COUT
5V	500kHz	53.6 kΩ	10.2 kΩ	Floating	6.8 uH	Optional	44uF
12V	500kHz	143 kΩ	10.2 kΩ	Floating	15 uH	Optional	44uF
5V	1.15M						





PACKAGE INFORMATION



NOTE:

1) ALL DIMENSIONS ARE IN MILLIMETERS.

2) PACKAGE LENGTH DOES NOT INCLUDE

3) D FLASH PROTRUSION OR GATE BURR.

4) PACKAGE WIDTH DOES NOT INCLUDE

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RECOMMENDED LAND PATTERN

TAPE AND REEL INFORMATION

