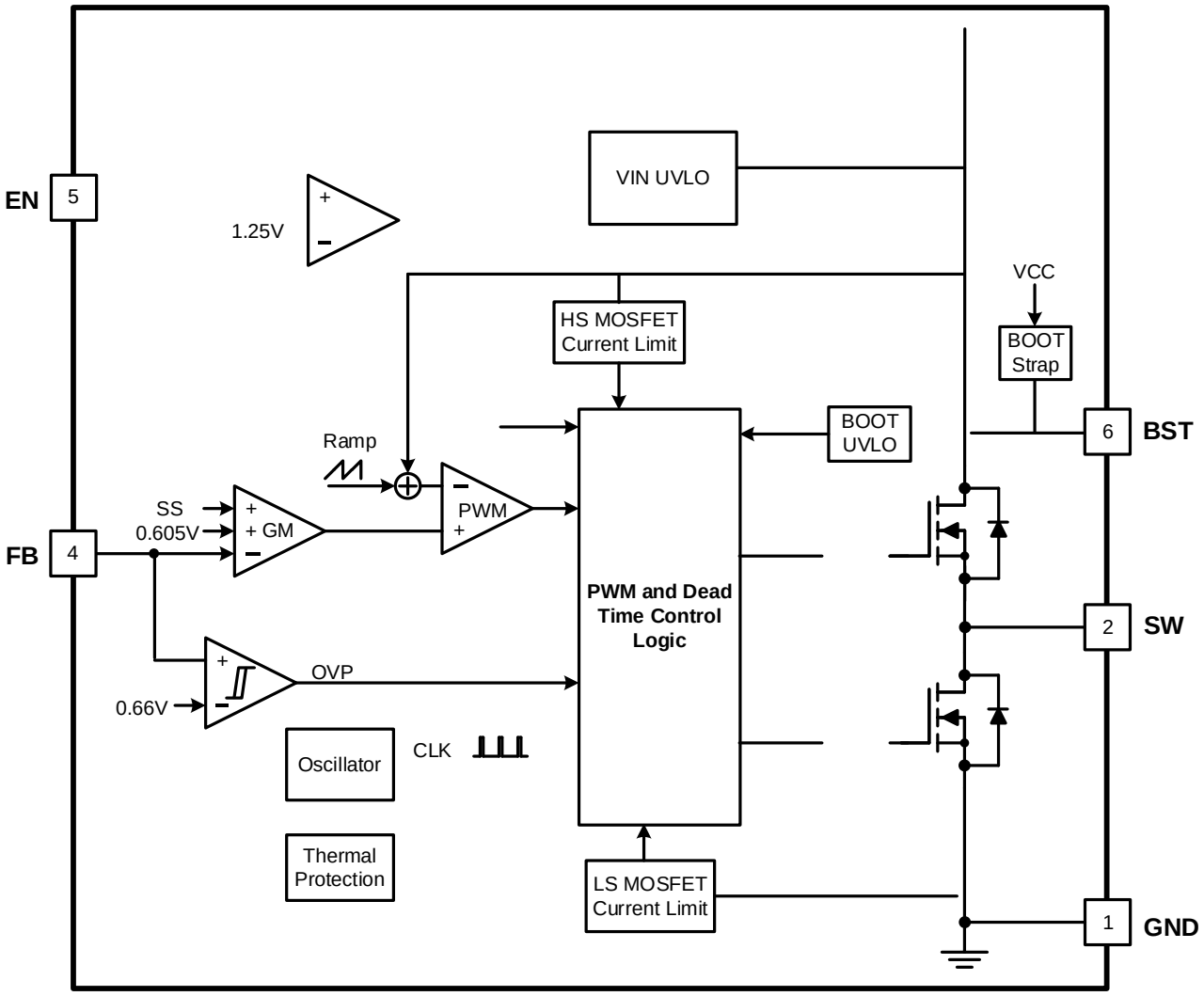
PARAMETER	DEFINITION	MIN	MAX	UNIT

PARAMETER	DEFINITION	MIN	MAX	UNIT

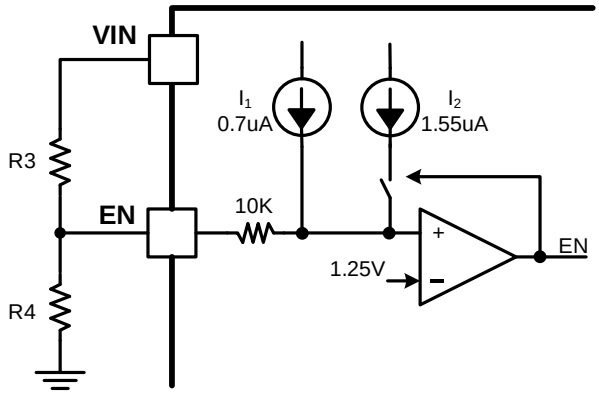
(1)
(2)

PARAMETER	THERMAL METRIC	FCSOT23-6L	UNIT

SYMBOL	PARAMETER	TEST CONDITION	MIN	TYP	MAX	UNIT
Power Supply and Output						


EN
5
1.25V
VIN UVLO
VCC
HS MOSFET
Current Limit
BOOT
Strap
Ramp
BOOT
UVLO
6
BST
SS
0.605V
+
+ GM
PWM
+
FB
4
PWM and Dead
Time Control
Logic
2
SW
OVP
0.66V
Oscillator
CLK
Thermal
Protection
LS MOSFET
Current Limit
1
GND

Overview



(1)

(2)

EMI Reduction with Frequency Spread Spectrum and Switching Node Ringing-free

Typical Application

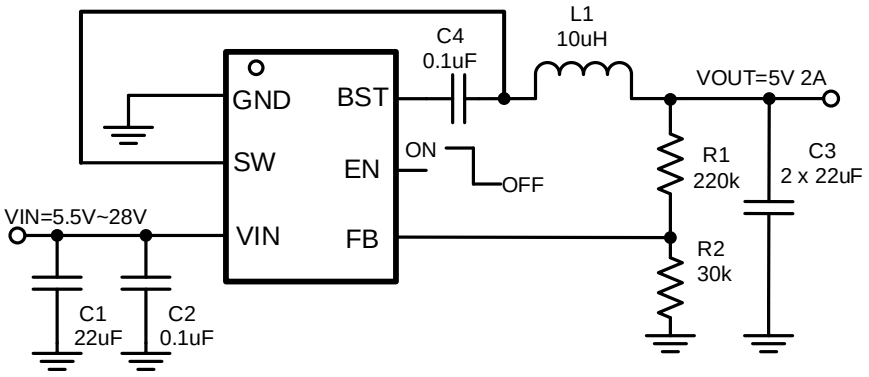


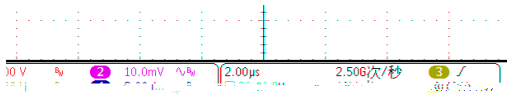
Figure 9. 12V Input, 5V/3A Output

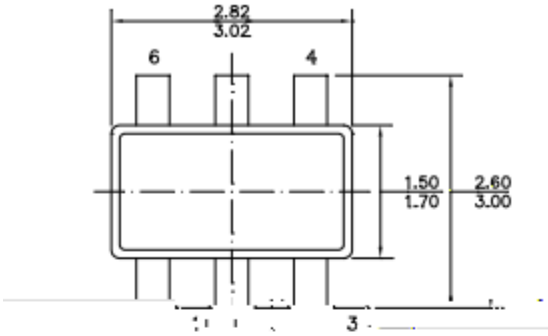
Design Parameters

Design Parameters	Example Value
Input Voltage	12V typical, 5.5~28V
Output Voltage	5V
Output Current	3A
Output voltage ripple (peak to peak)	8mV
Switching Frequency	410kHz

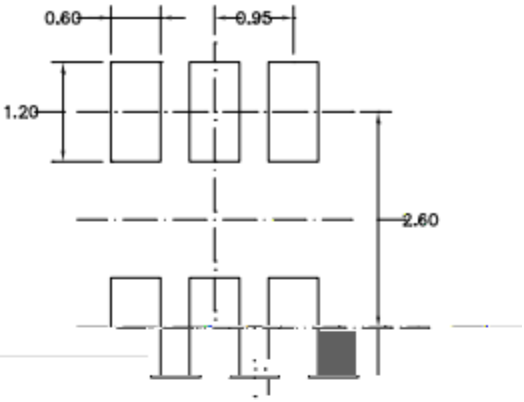
Application Waveforms

Application Waveforms





TOP VIEW



RECOMMENDED LAND PATTERN

