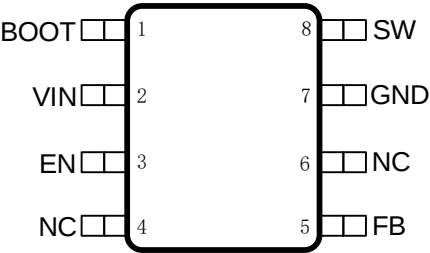


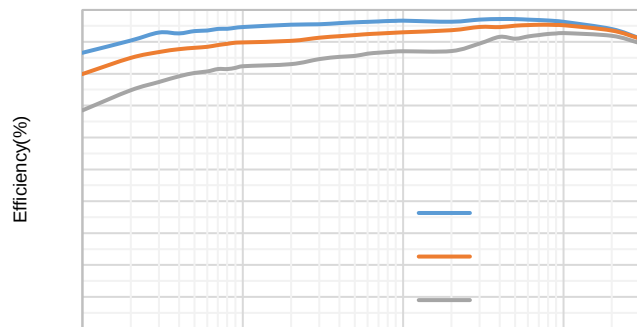
Over operating free-air temperature unless otherwise noted ⁽¹⁾

DESCRIPTION	MIN	MAX	UNIT
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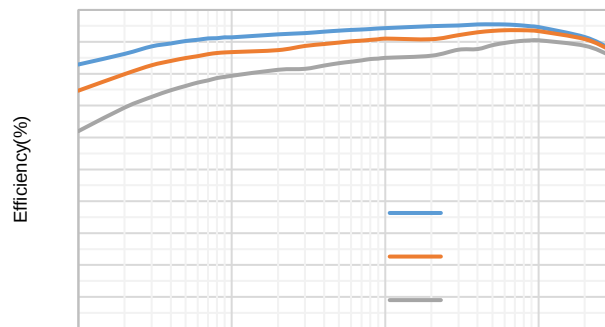


Top View: SOP-8L

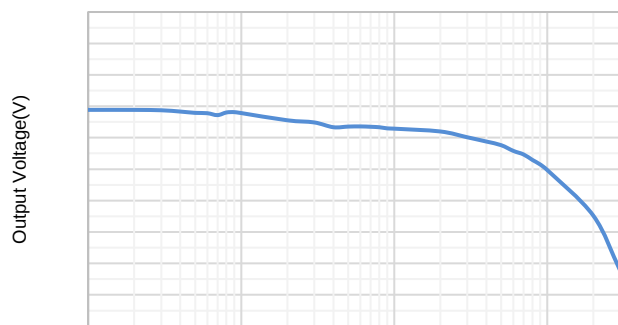
(1)
(2)



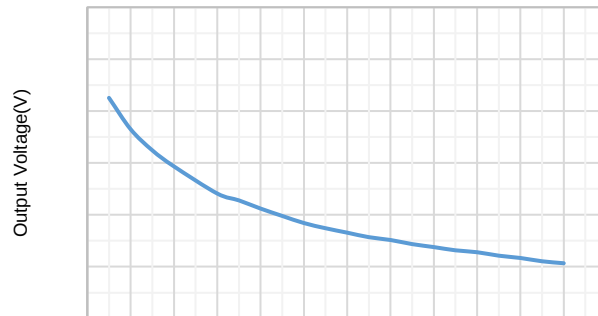
Output Current (A)



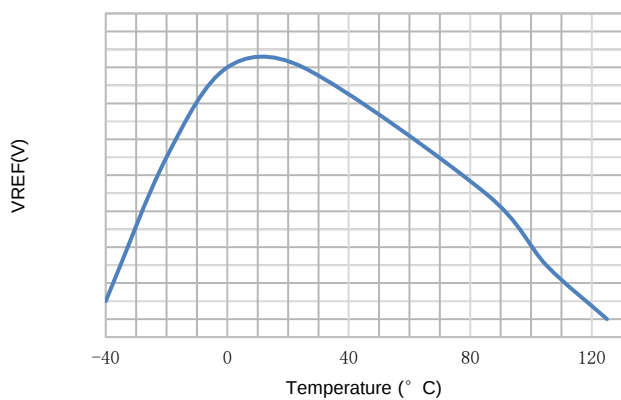
Output Current (A)



Output Current (A)



Input Voltage(V)

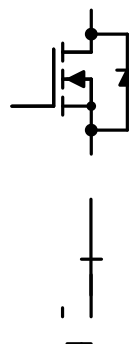


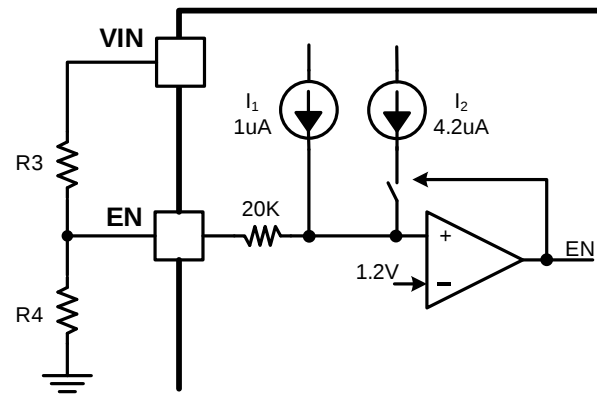
EN

FB

Oscillator

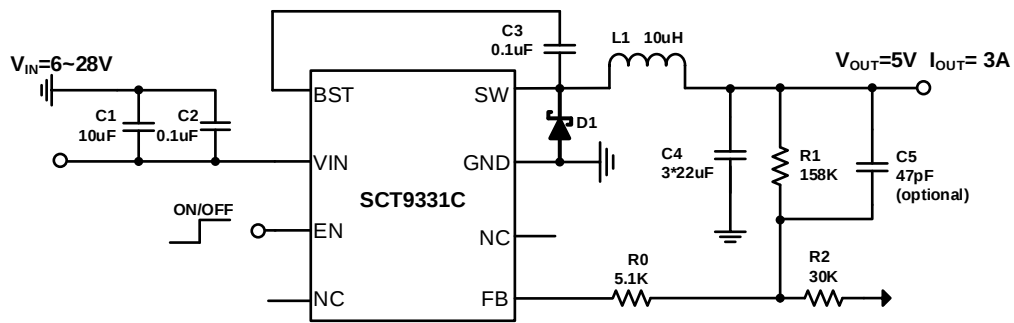
PWM and Dead
Time Control
Logic





(1)

(2)



Design Parameters	Example Value
Input Voltage	12V or 24V Normal (6~28V)
Output Voltage	5V
Output Current	3A
Output voltage ripple (peak to peak)	±8mV
Switching Frequency	400kHz

(3)

~

(6)

(7)

(8)

(9)

_____ (10)

_____ (12)

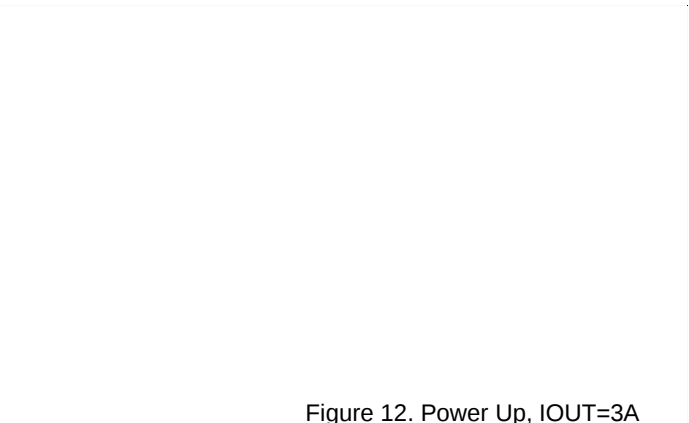


Figure 12. Power Up, IOUT=3A

Figure 13. Power Down, IOUT=3A

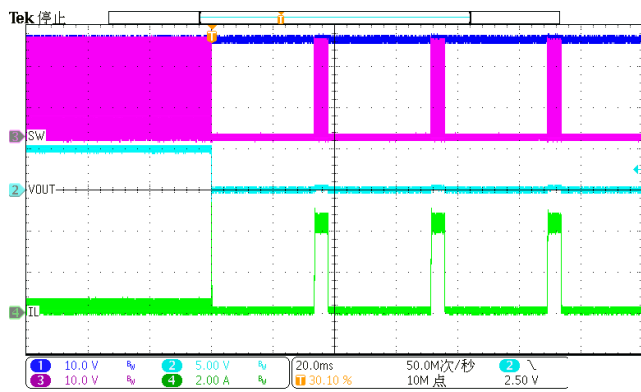


Figure 18. Over Current Protection(0A to hard short)

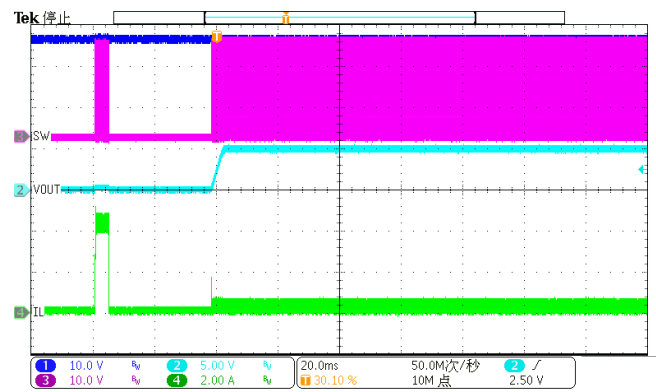


Figure 19. Over Current Release (hard short to 0A)

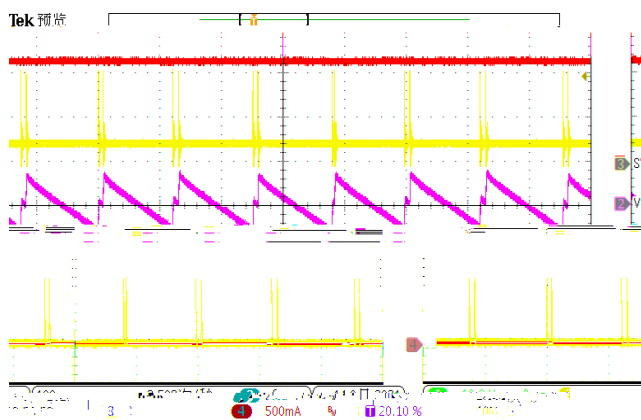


Figure 20. Output Ripple (Iload=10mA)

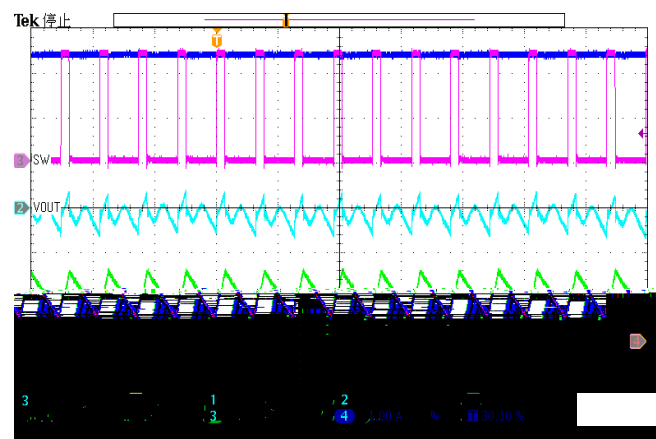


Figure 21. Output Ripple (Iload=1A)

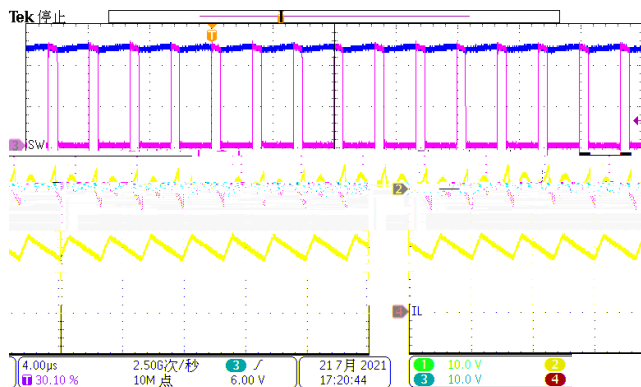


Figure 22. Output Ripple (Iload=3A)

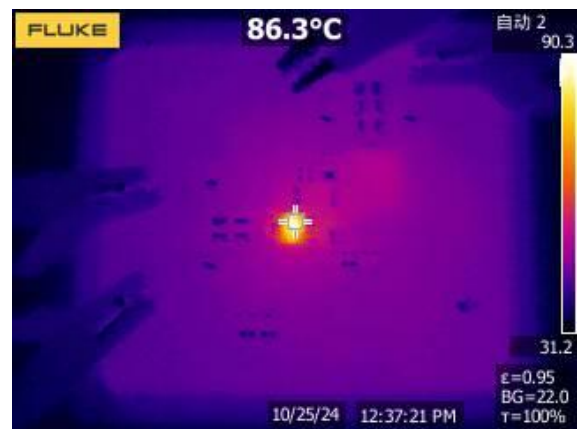


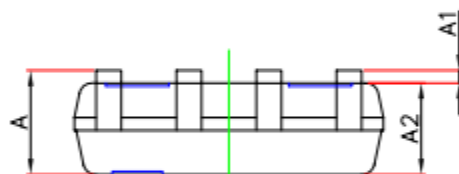
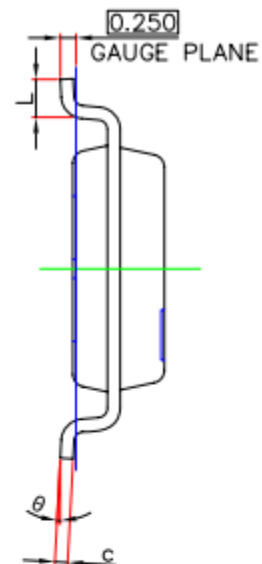
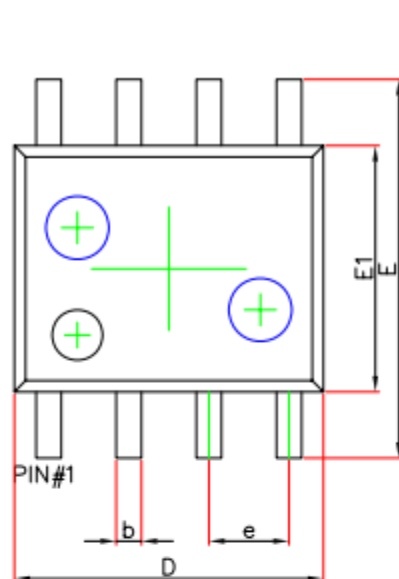
Figure 23. Thermal, 12VIN, 5Vout, 3A

1.

2.

3.

4.



Symbol	Dimensions In Millimeters		Dimensions In Inches	
	Min.	Max.	Min.	Max.
A	1.450	1.750	0.057	0.069
A1	0.100	0.250	0.004	0.010
A2	1.350	1.550	0.053	0.061
b	0.330	0.510	0.013	0.020
c	0.170	0.250	0.007	0.010
D	4.700	5.100	0.185	0.201
E	5.800	6.200	0.228	0.244
E1	3.800	4.000	0.150	0.157
e	1.270(BSC)		0.050(BSC)	
LL	0.400	1.270	0.016	0.050
θ	0°	8°	0°	8°

