# PWM DC-DC

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LN2119 DC/DC
OLED
22V 12V OLED
2 22V
SOT23-5L PCB BOM

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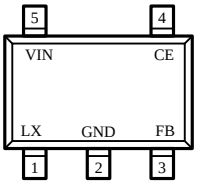


SOT23-5L
(TOP VIEW)

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| | | |
|---|---|---|
| 1 | LX | SWITCH |
| 2 | GND | |
| 3 | FB | |
| 4 | CE | |
| 5 | VIN | |

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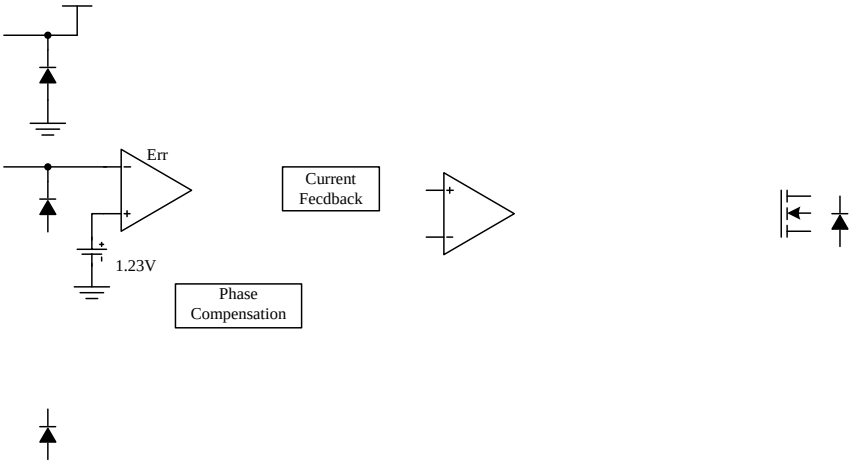


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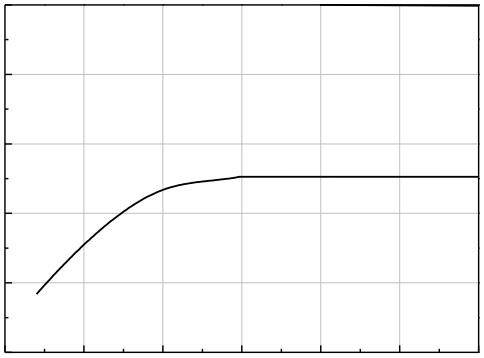
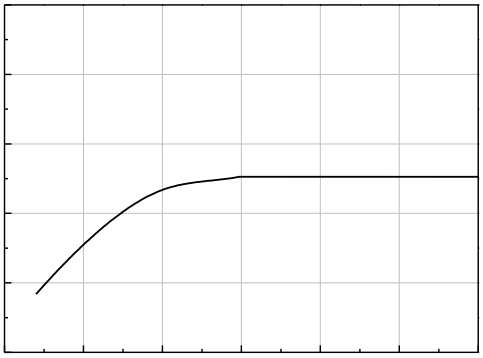
1.

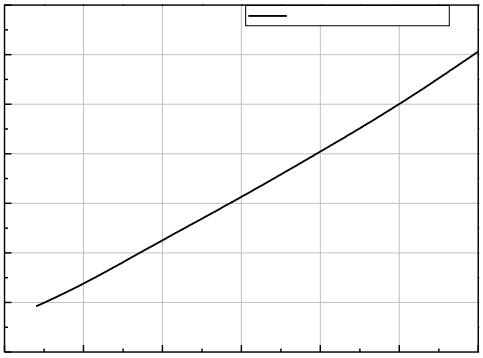


2. VS



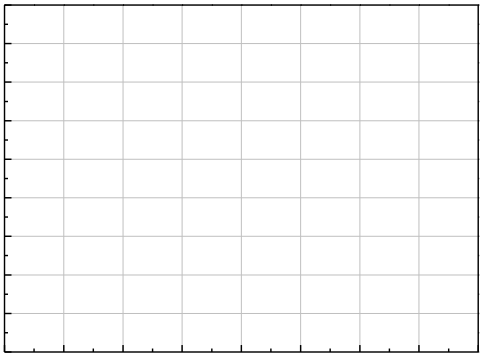
3. VS

4. VS



5.

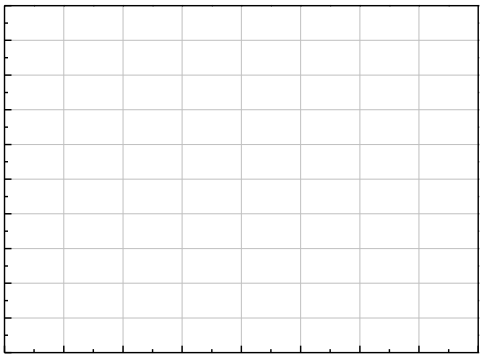
6. VS



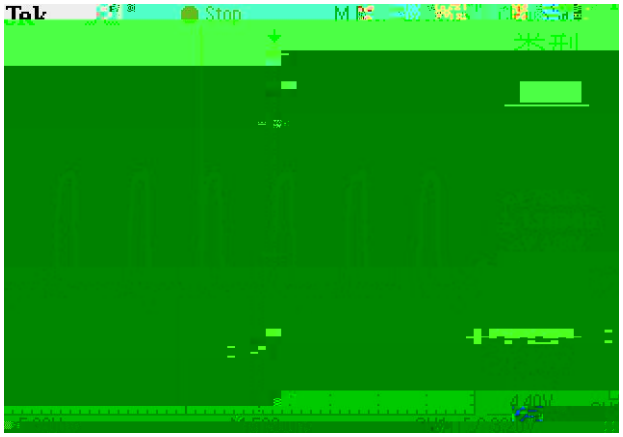
7. CE VS



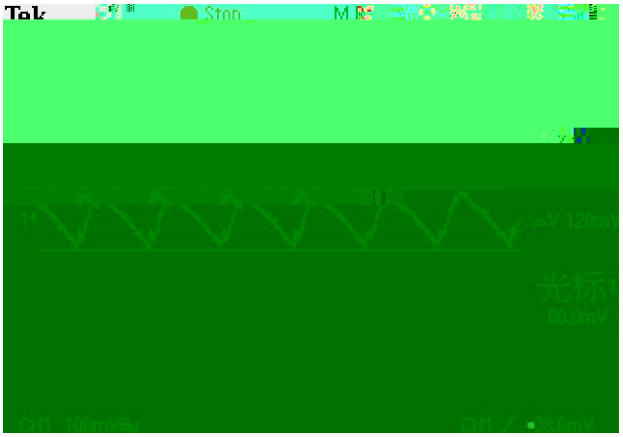
8. CE VS



9. VIN=3.6 IL=90MA)

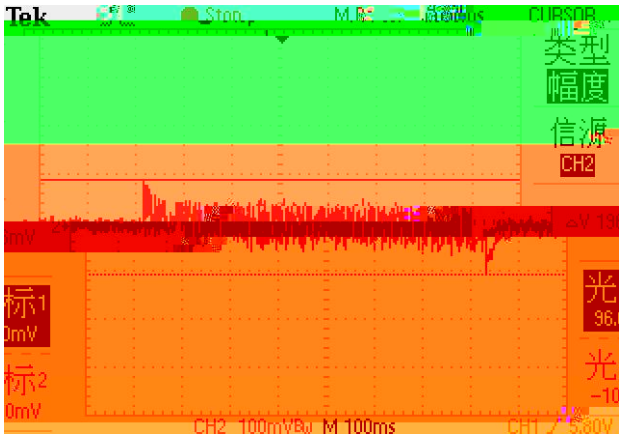



10. VIN=3.6 IL=90MA)

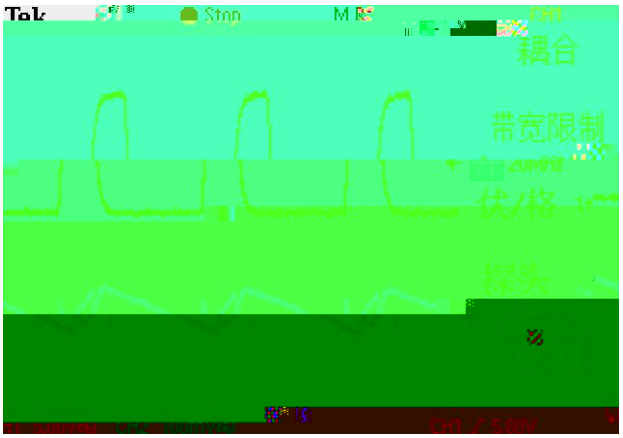



11.

VIN=3.6V,IL=10-90-10MA)




12. LX VIN=3.6V IL=90MA)



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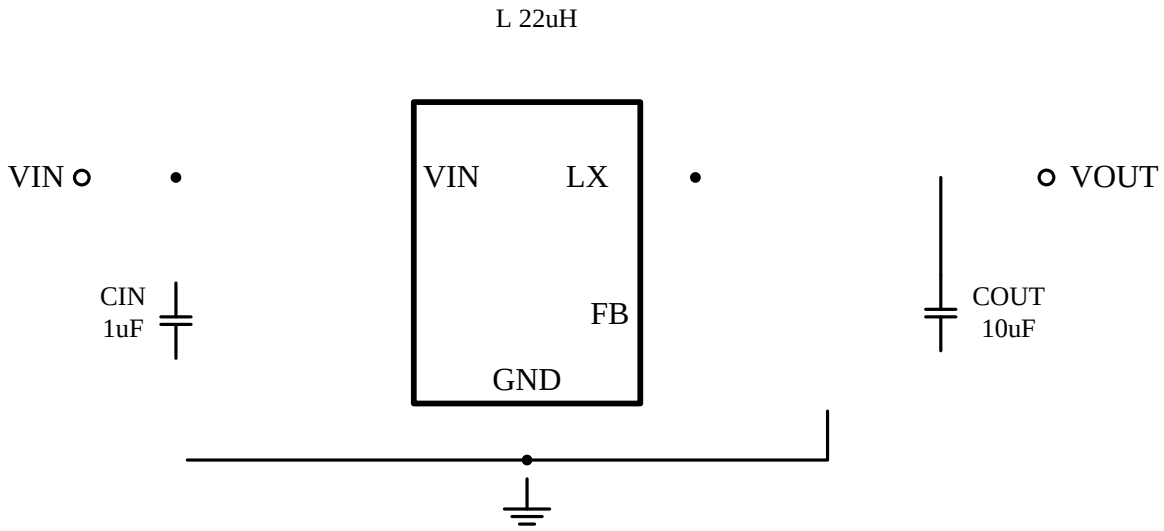


**VOUT**

R1 R2 VOUT FB $\frac{VOUT}{VFB} = \frac{R1+R2}{R2}$ VOUT=12V R1=875K

R2=100K CP=100PF

**10uF**

**GND**

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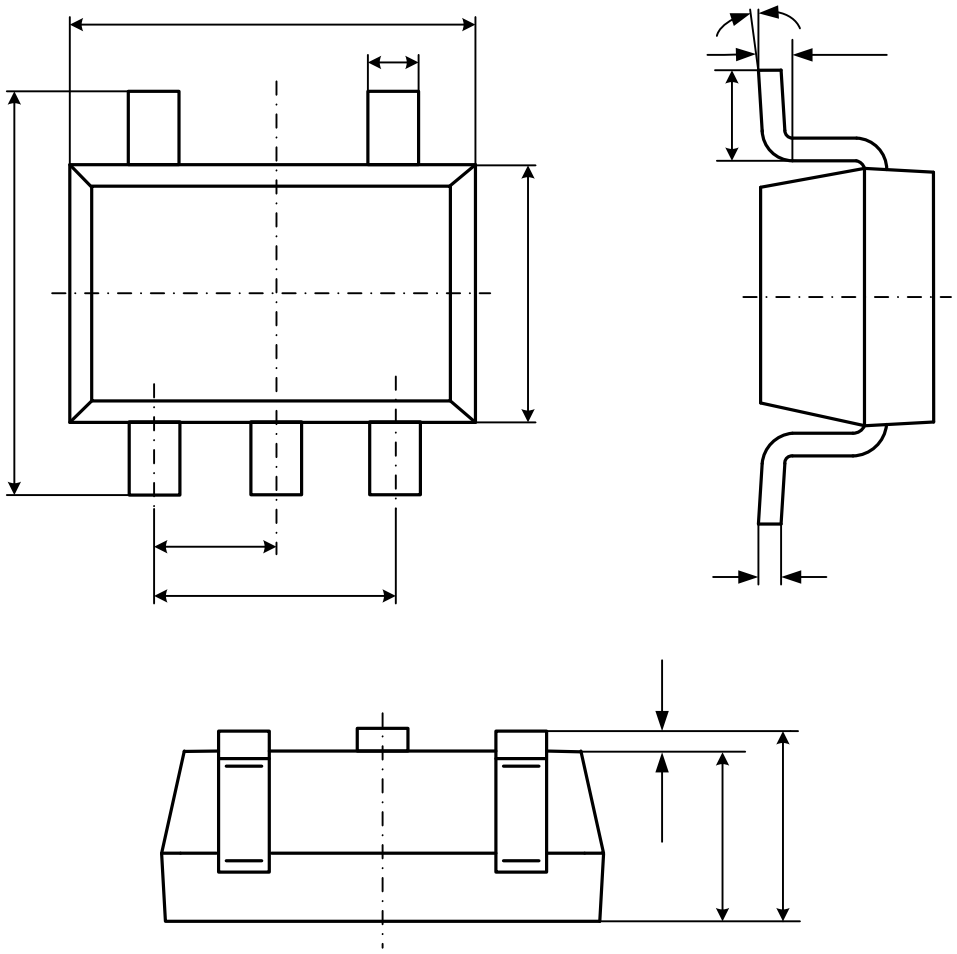
**SOT23-5L**



| Symbol | Dimensions In Millimeters | | Dimensions In Inches | |
|---|---|---|---|---|
| | Min | Max | Min | Max |
| A | 1.050 | 1.250 | 0.041 | 0.049 |
| A1 | 0.000 | 0.100 | 0.000 | 0.004 |
| A2 | 1.050 | 1.150 | 0.041 | 0.045 |
| b | 0.300 | 0.500 | 0.012 | 0.020 |
| c | 0.100 | 0.200 | 0.004 | 0.008 |
| D | 2.820 | 3.020 | 0.111 | 0.119 |
| E | 1.500 | 1.700 | 0.059 | 0.067 |
| E1 | 2.650 | 2.950 | 0.104 | 0.116 |
| e | 0.950(BSC) | | 0.037(BSC) | |
| e1 | 1.800 | 2.000 | 0.071 | 0.079 |
| L | 0.300 | 0.600 | 0.012 | 0.024 |
| | 0 | 8 | 0 | 8 |