# PWM/PFM DC-DC

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LN2403

PWM/PFM CMOS

PWM/PFM

LN2403 MOSFET

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2A

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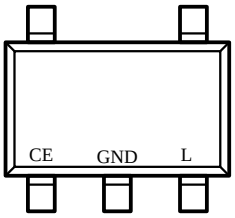


| SOT23-5L | | |
|---|---|---|
| 1 | CE | |
| 2 | GND | |
| 3 | LX | |
| 4 | VIN | |
| 5 | FB | |

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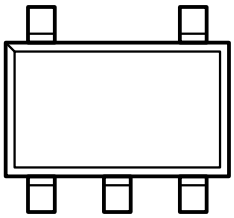
SOT23-5L



| | | |
|---|---|---|
| | 3 | LN2403 |

| | | |
|---|---|---|
| | 1 | FB=0.1V |

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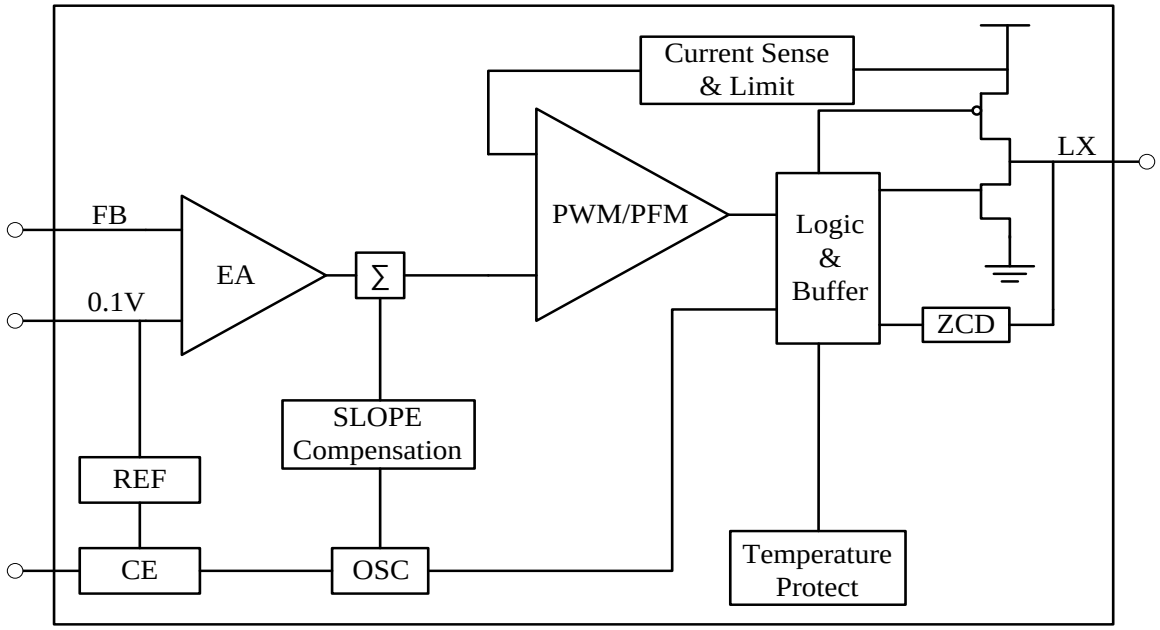


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| | | | |
|---|---|---|---|
| | $V_{IN}$ | -0.3 6 | V |
| | $V_{OUT}$ | -0.3 6 | |
| | $V_{LX}$ | -0.3 VIN + 0.3 | |
| CE | Vce | -0.3 VIN + 0.3 | V |
| LX | $I_{LX}$ | 3 | A |

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VIN=5V ,$C_{IN}$

VD

VD>>0.1V ILED 0

0.1=(VD-0.1)*R1/R2 2

, VD , VD=1.8V R2/R1=17

VD=0 ILED

ILEDmax=1/RSET × (0.1 + 0.1*R1/R2) 3

ILEDmax 2 3 RSET

VD=1.8V ILEDmax=500mA