PWM/PFM DC-DC

■

LN2403

PWM/PFM CMOS

PWM/PFM

LN2403 MOSFET

92

2A

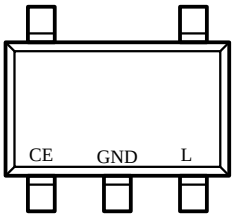
4

100

■

■

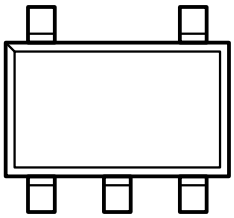
■



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

■

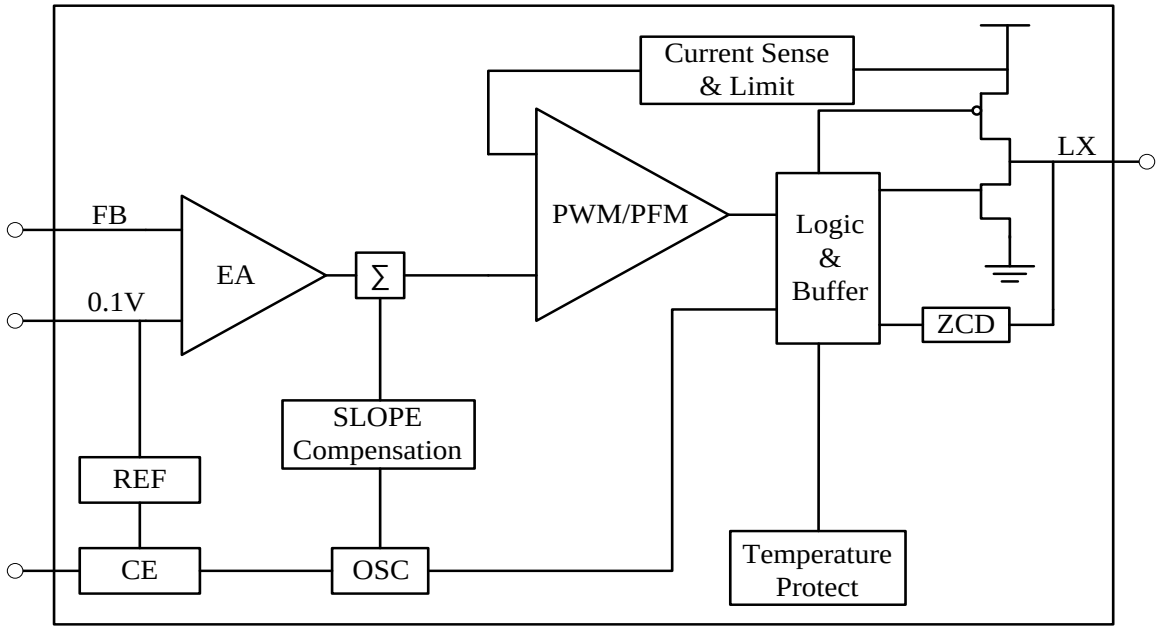
SOT23-5L



	3	LN2403

	1	FB=0.1V

■



■

	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

■

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

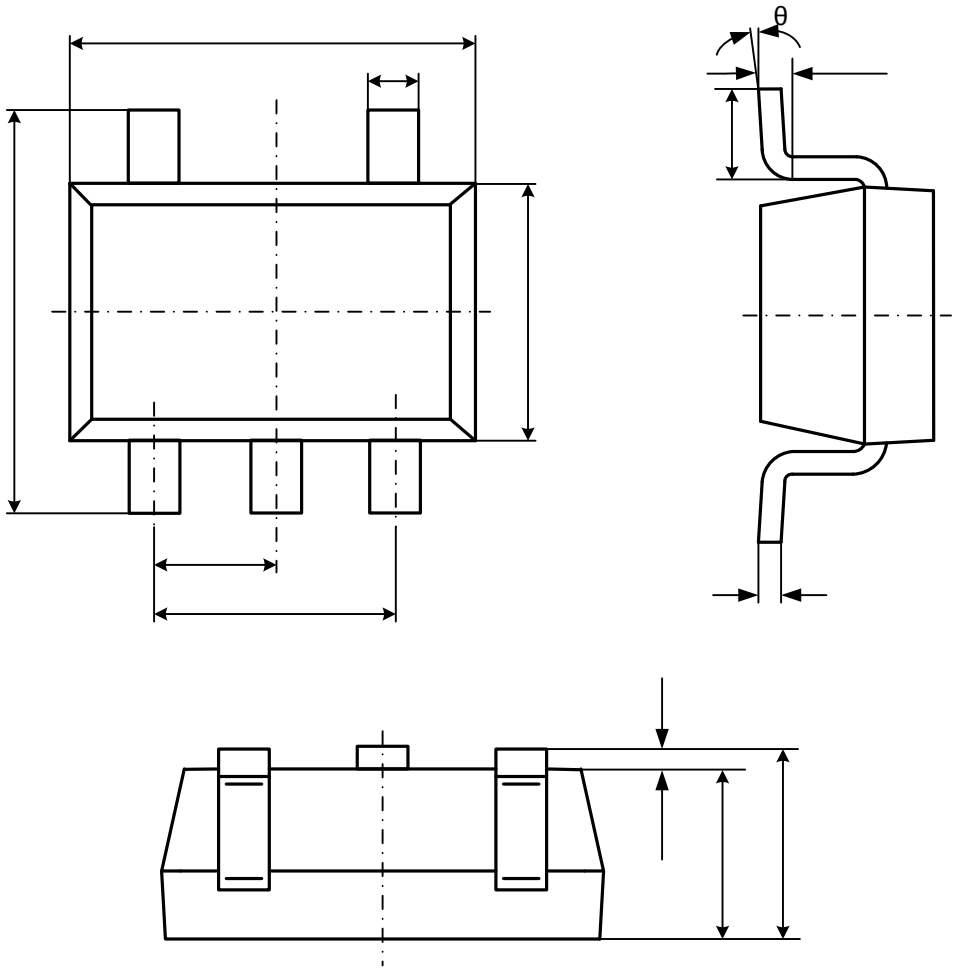
ILEDmax=1/RSET × (0.1 + 0.1*R1/R2) 3

ILEDmax 2 3 RSET

VD=1.8V ILEDmax=500mA

■

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)			