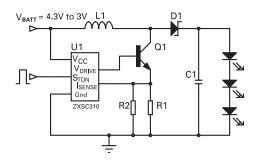
ZXSC310 Solution to drive 3 LEDs connected in series

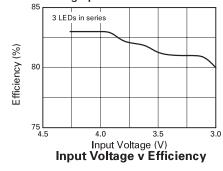
Aim

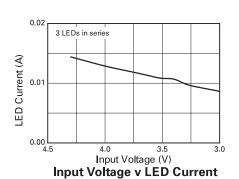
This solution is optimized for an input voltage range of 4.3V to 3V. The LED current is set to 15mA V_{IN} = 4.3V and 8mA at V_{IN} = 3V.

Circuit diagram



Performance graphs





Bill of Materials

Reference	Part No.	Value	Manufacturer	Contact Details
U1	ZXSC310E5	N/A	Zetex	www.zetex.com
Q1	FMMT618	N/A	Zetex	www.zetex.com
D1	ZHCS1000	1A	Zetex	www.zetex.com
R1	Generic	510m Ω	Generic	
R2	Generic	510m Ω	Generic	
C1	Generic	2.2μF	Generic	
L1	DO1608P-103	10μΗ	Coilcraft	www.coilcraft.com
LED1-3	NSPW500BS	White LED	Nichia	www.nichia.com



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