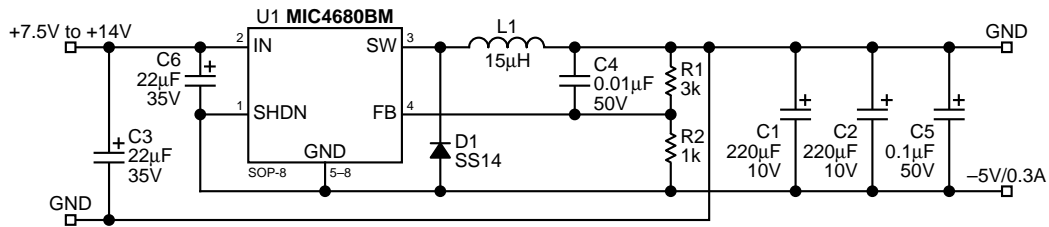


Circuit Performance

- Simple solution for $-5V_{OUT}$ regulator
- $\approx 20\text{mm} \times 20\text{mm}$ footprint
- Line and load regulation $< 2\%$



Bill of Material

Reference	Part Number	Manufacturer	Description	Qty
C1, C2	TPSD22701R0150	AVX	220µF 10V, tantalum	2
C3, C6	TPSD226035R0400	AVX	22µF 35V, tantalum	1
C4	08055C103KAT1	AVX	0.01µF 50V, ceramic	1
C5	0855C104KAT1	AVX	0.1µF 50V, ceramic	1
D1	B140 SS14	Vishay-Diode, Inc. (Note 1) GI	1A 40V, Schottky 1A 40V, Schottky	1
L1	UP1B-150	Coiltronics (Note 2)	15µH	1
R1	CRCW08053001FRT1	Vishay-Dale (Note 3)	3k 1/10W ±1%, size 0805	1
R2	CRCW08051001FRT1	Vishay-Dale (Note 3)	1k 1/10W ±1%, size 0805	1
U1	MIC4680BM	Micrel Semiconductor	1A 200kHz power-SO-8 buck regulator	1

Note 1: Vishay-Diode, Inc. (805) 446-4800

Note 2: Coiltronics (561) 241-7876

Note 3: Vishay-Dale (402) 371-0080

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