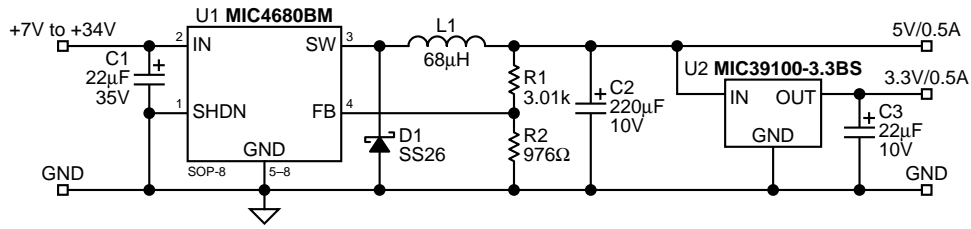


Circuit Performance

- Low-cost dual output
- Cross regulation < 2%
- Low noise ($\leq 10\text{mV}$ on 3.3V output)



Bill of Material

Reference	Part Number	Manufacturer	Description	Qty
C1	TPSE226035R0200	AVX	22µF 35V, tantalum	1
C2	TPSE227010R0100	AVX	220µF 10V, tantalum	1
C3	TPSD227006R0100	AVX	22µF 10V, tantalum	1
D1	SS26 B260	GI Vishay-Diode, Inc. (Note 1)	2A 60V, Schottky diode 2A 60V, Schottky diode	1
L1	UP2B-680MC	Coiltronics	68µH, $I_{SAT} = 1.5\text{A}$	1
R1	CRCW08053011FRT1	Vishay-Dale (Note 2)	3.01k 1/10W $\pm 1\%$, size 0805	1
R2	CRCW08059760FRT1	Vishay-Dale (Note 2)	976Ω $\pm 1\%$	1
U1	MIC4680BM	Micrel Semiconductor	1A 200kHz power-SO-8 buck regulator	1
U2	MIC39100-3.3BS	Micrel Semiconductor	1A low-voltage low-dropout regulator	1

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

Note 2: Vishay-Dale (402) 371-0080

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