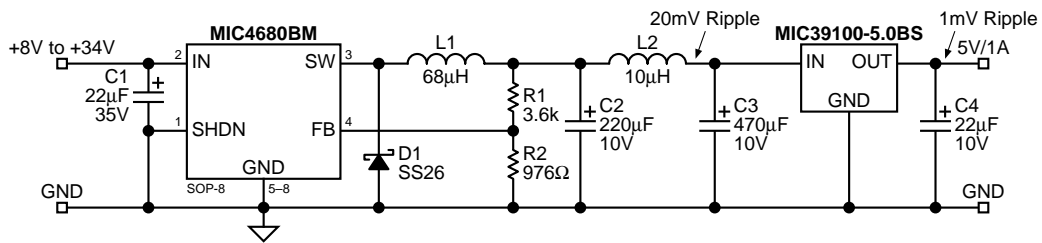


### Circuit Performance

- For noise-sensitive applications
- Ultralow noise (< 1mV)
- Simple solution



### Bill of Material

Reference	Part Number	Manufacturer	Description	Qty
C1	TPSE226035R0200	AVX	22µF 35V, tantalum	1
C2	TPSE227010R0060	AVX	220µF 10V, tantalum	1
C3	TPSE477010R0050	AVX	470µF 10V, tantalum, ESR 50mΩ	1
C4	TPSB226010R0700	AVX	22µF 10V, tantalum	1
D1	B260A SS26	Vishay-Diode, Inc. (Note 1) GI	2A 60V, Schottky diode 2A 60V, Schottky diode	1
L1	UP2B-680MC	Coiltronics	68µH	1
L2	UP1B-100MC	Coiltronics	10µH	1
R1	CRCW08053601FRT1	Vishay-Dale (Note 2)	3.6k 1/10W ±1%, size 0805	1
R2	CRCW08059760FRT1	Vishay-Dale (Note 2)	976Ω 1/10W ±1%, size 0805	1
U1	<b>MIC4680BM</b>	Micrel Semiconductor	1A 200kHz power-SO-8 buck regulator	1
U2	<b>MIC39100-5.0BS</b>	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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