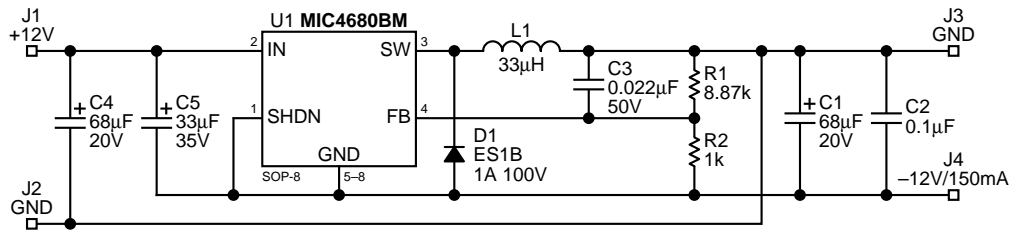


Circuit Performance

- Positive 12V to -12V
- Low-cost inverter
- Load regulation < 2%



Bill of Material

Reference	Part Number	Manufacturer	Description	Qty
C1, C4	TPSE686M020R0150	AVX	68µF 20V tantalum	2
C2	08055C104MAT2A	AVX or equiv.	0.1µF 50V X7R ceramic	1
C3	08055C222MAT2A	AVX or equiv.	0.022µF 50V X7R ceramic	1
C5	TPSE336M035R0300	AVX	33µF 35V tantalum	1
D1	ES1B ES1B	Vishay-Diode, Inc. ^(Note 1) GI	1A 100V ultrafast diode	1
L1	CDRH73-330	Sumida ^(Note 2)	33µH	1
R1	CRCW08058871FRT1	Vishay-Dale ^(Note 3)	8.87k 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) 446-4850

Note 2: Sumida (408) 982-9660

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

MICREL INC. 1849 FORTUNE DRIVE SAN JOSE, CA 95131 USA

TEL + 1 (408) 944-0800 FAX + 1 (408) 944-0970 WEB <http://www.micrel.com>

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