

Low Dropout Regulators

Mfr.'s Type			Output Current (A)	Output Voltage (V)	Dropout Voltage* (V)	Typical Input Voltage (V)	Maximum Quiescent Current (mA)	Typical Polarity Protection (V)	Reverse Transient Protection (V)	No. of Leads	Temperature Range (°C)
PDIP	TO-220	TO-92									
—	LM2940T-10.0	—	1.00	10	0.50	26	10.000	-15	-1.20	T3	-40 to +150
—	LM2940T-12.0	—	1.00	12	0.50	26	10.000	-15	-1.20	T3	-40 to +150
—	LM2940T-5.0	—	1.00	5	0.50	26	10.000	-15	-1.20	T3	-40 to +150
—	LM2940T-8.0	—	1.00	8	0.50	26	10.000	-15	-1.20	T3	-40 to +150
—	LM2940T-9.0	—	1.00	9	0.50	26	10.000	-15	-1.20	T3	-40 to +150
—	LM2940CT-12	—	1.00	12	0.50	26	10.000	-15	-1.00	T3	0 to +150
—	LM2940CT-15	—	1.00	15	0.50	26	10.000	-15	-1.00	T3	0 to +150
—	LM2940CT-5.0	—	1.00	5	0.50	26	10.000	-15	-1.00	T3	0 to +150
—	LM2941T	—	1.00	Adj. (5 to 20)	0.50	26	10.000	-15	-1.20	T5	-40 to +150
—	LM2941CT	—	1.00	Adj. (5 to 20)	0.50	26	10.000	-15	-1.00	T5	0 to +150
—	LM2990T-12	—	1.00	-12	0.60	-26	1.000	-15	-1.00	T5	-40 to +125
—	LM2990T-15	—	1.00	-15	0.60	-26	1.000	-15	-1.00	T5	-40 to +125
—	LM2990T-5.0	—	1.00	-5	0.60	-26	1.000	-15	-1.00	T5	-40 to +125
—	LM2990T-5.2	—	1.00	-5.2	0.60	-26	1.000	-15	-1.00	T5	-40 to +125
—	LM2991T	—	1.00	Adj. (-2 to -25)	0.60	-26	1.000	-15	-1.00	T5	-40 to +125
—	LM2937ET-12	—	0.50	12	0.50	26	2.000	-15	-1.20	T3	-40 to +125
—	LM2937ET-15	—	0.50	15	0.50	26	2.000	-15	-1.20	T3	-40 to +125
—	LM2937ET-5.0	—	0.50	5	0.50	26	2.000	-15	-1.20	T3	-40 to +125
—	LM2930T-5.0	—	0.15	5	0.32	26	4.000	-6	-3.33	T3	-40 to +125
—	LM2930T-8.0	—	0.15	8	0.32	26	4.000	-6	-3.33	T3	-40 to +125
—	LM2931T-5.0	LM2931Z-5.0	0.10	5	0.30	24	0.400	-15	-1.20	T3, Z3	-40 to +125
—	LM2931CT	—	0.10	Adj. (3 to 29)	0.30	24	0.400	-15	-1.20	T5	-40 to +125
LP2951CN	—	—	0.10	Adj. (1.24 to 29)	0.38	30	0.075	-15	-1.20	N8	-40 to +125
—	—	LM2936Z-5.0	0.05	5	0.20	40	0.009	-15	-1.20	Z3	-40 to +125

*Typical dropout voltage specified under full load operation.

Adjustable Positive Voltage Regulators

Mfr.'s Type				Output Current (A)	Output Voltage (V)	Input Voltage* (V)	No. of Leads	Temperature Range (°C)
TO-39	SOIC	TO-220	TO-92					
—	—	LM338T	—	3.0	1.2 to 32	Diff. ≤ 40	T3	0 to +125
—	—	LM350T	—	3.0	1.2 to 32	Diff. ≤ 35	T3	0 to +125
—	—	LM350AT	—	1.5	1.2 to 32	Diff. ≤ 35	T3	-40 to +125
—	—	LM317T	—	0.5	1.2 to 37	Diff. ≤ 40	T3	0 to +125
—	—	LM317HVT	—	0.5	1.2 to 57	Diff. ≤ 60	T3	0 to +125
LM117H	—	—	—	0.5	1.2 to 57	Diff. ≤ 40	H3	-55 to +150
LM317H	—	—	—	0.5	1.2 to 37	Diff. ≤ 40	H3	0 to +125
LM317AH	—	LM317AT	—	0.5	1.2 to 37	Diff. ≤ 40	H3, T3	-40 to +125
LM317HVH	—	—	—	0.5	1.2 to 57	Diff. ≤ 60	H3	0 to +125
—	LM317LM	—	LM317LZ	0.1	1.2 to 37	Diff. ≤ 40	M8, Z3	-25 to +125

*In cases where the regulator is "floating" the maximum input-to-output voltage differential is listed.

Adjustable Negative Voltage Regulators

Mfr.'s Type				Output Current (A)	Output Voltage (V)	Input Voltage* (V)	No. of Leads	Temperature Range (°C)
Metal Can	SOIC	TO-220	TO-92					
LM337KSTEEL†	—	LM337T	—	1.5	-1.2 to -37	Diff. ≤ 40	K2, T3	0 to +125
LM337H‡	—	—	—	0.5	-1.2 to -37	Diff. ≤ 40	H3	0 to +125
—	LM337LM	—	LM337LZ	0.1	-1.2 to -37	Diff. ≤ 40	M8, Z3	-25 to +125

*In cases where the regulator is "floating" the maximum input-to-output voltage differential is listed. †TO-3 Steel Package. ‡TO-39 Package.

Building Block Adjustable Positive and Negative Voltage Regulators

Mfr.'s Type		Output Current (A)	Output Voltage (V)	Input Voltage* (V)	No. of Leads	Temperature Range (°C)
TO-5	PDIP					
LM723H	—	150 mA	2.0 to 37	9.5 to 40	H10	-55 to +150
—	LM723CN	150 mA	2.0 to 37	9.5 to 40	N14	0 to +150
LM305H	—	45 mA	4.5 to 30	8.5 to 40	H8	0 to +85

*In cases where the regulator is "floating" the maximum input-to-output voltage differential is listed.

Fixed Positive Voltage Regulators

Mfr.'s Type				Output Current (A)	Output Voltage (V)	Max. Input Voltage* (V)	No. of Leads	Temperature Range (°C)
Metal Can	SOIC	TO-220	TO-92					
—	—	LM7808CT	—	1.0	8.0	35	T3	0 to +150
LM340K-5.0†	—	LM340T-5.0	—	1.0	5.0	35	K2, T3	0 to +150
—	—	LM340T-12	—	1.0	12.0	35	T3	0 to +150
—	—	LM340T-15	—	1.0	15.0	35	T3	0 to +150
LM78M05CH	—	LM78M05CT	—	0.5	5.0	35	H3, T3	-40 to +125
LM78M12CH	—	LM78M12CT	—	0.5	12.0	35	H3, T3	-40 to +125
LM78M15CH	—	LM78M15CT	—	0.5	15.0	35	H3, T3	-40 to +125
—	—	LM341T-12	—	0.5	12.0	35	T3	-40 to +125
—	—	LM341T-15	—	0.5	15.0	35	T3	-40 to +125
—	—	LM341T-5.0	—	0.5	5.0	35	T3	-40 to +125
—	LM78L05ACM	—	—	0.1	5.0	35	M8, Z3	0 to +125
—	—	—	LM78L09ACZ	0.1	9.0	35	Z3	0 to +125
—	LM78L12ACM	—	—	0.1	12.0	35	M8, Z3	0 to +125
—	LM78L15ACM	—	—	0.1	15.0	35	M8, Z3	0 to +125
LM140LAH-5.0	—	—	—	0.1	5.0	35	H3	-55 to +150
LM340LAH-12	—	—	—	0.1	12.0	35	H3	0 to +150
LM340LAH-5.0	—	—	LM340LAZ-5.0	0.1	5.0	35	H3, Z3	0 to +150

*Minimum Input Voltage for Fixed Negative Voltage Regulators. †TO-3 Package.