

LM317L

Linear Voltage Regulator, 100 mA, High PSRR, Adjustable, Positive

Product Overview

For complete documentation, see the data sheet.

The LM317L is an adjustable 3-terminal positive linear voltage regulator capable of supplying in excess of 100 mA over an output voltage range of 1.2 V to 37 V. This linear voltage regulator is exceptionally easy to use and requires only two external resistors to set the output voltage. Further, it employs internal current limiting, thermal shutdown and safe area compensation, making them essentially blow-out proof.

The LM317L serves a wide variety of applications including local, on card regulation. This linear voltage regulator can also be used to make a programmable output regulator, or by connecting a fixed resistor between the adjustment and output, the LM317L can be used as a precision current regulator.

Features

- Output Current in Excess of 100 mA
- Output Adjustable Between 1.2 V and 37 V
- Internal Thermal Overload Protection
- Internal Short Circuit Current Limiting
- Output Transistor Safe-Area Compensation
- Floating Operation for High Voltage Applications
- Standard 3-Lead Transistor Package
- Eliminates Stocking Many Fixed Voltages
- Pb-Free Packages are Available
- NCV Prefix for Automotive and Other Applications Requiring Site and Control Changes

For more features, see the data sheet

Part Electrical Specifications

Product	Status	Compliance	Output	Polarity	V_O (V)	I_O Typ (A)	V_{Min} (V)	V_{Max} (V)	V_O Typ (V)	I_O Typ (mA)	PSRR (dB)	Noise (μV_{rms})	Enable	Power Good	Application	Packaging Type	Case Outline	MSL Type	MSL Temp (°C)	Container Type	Container Qty.
LM317LZG	Active		Single	Positive	Adj	0.1	2.8	40	1.9	-	80	-	No	No	Industrial	TO-92	29-10.PDF	NA	0	BLK BG	2000
LM317LBZG	Active		Single	Positive	Adj	0.1	2.8	40	1.9	-	80	-	No	No	Industrial	TO-92	29-10.PDF	NA	0	BLK BG	2000
LM317LBZRP	Active		Single	Positive	Adj	0.1	2.8	40	1.9	-	80	-	No	No	Industrial	TO-92	29-10.PDF	NA	0	FNFLD	2000
NCV317LBZRAG	Active		Single	Positive	Adj	0.1	2.8	40	1.9	-	80	-	No	No	Automotive	TO-92	29-10.PDF	NA	0	REEL	2000
NCV317LBDR2G	Active		Single	Positive	Adj	0.1	2.8	40	1.9	-	80	-	No	No	Automotive	SOLC-8	751-07.PDF	1	260	REEL	2500
LM317LBDR2G	Active		Single	Positive	Adj	0.1	2.8	40	1.9	-	80	-	No	No	Industrial	SOLC-8	751-07.PDF	1	260	REEL	2500
NCV317LBZG	Active		Single	Positive	Adj	0.1	2.8	40	1.9	-	80	-	No	No	Automotive	TO-92	29-10.PDF	NA	0	BLK BG	2000
LM317LBZRAG	Active		Single	Positive	Adj	0.1	2.8	40	1.9	-	80	-	No	No	Industrial	TO-92	29-10.PDF	NA	0	REEL	2000
LM317LZREG	Active		Single	Positive	Adj	0.1	2.8	40	1.9	-	80	-	No	No	Industrial	TO-92	29-10.PDF	NA	0	REEL	2000
LM317LZRAG	Active		Single	Positive	Adj	0.1	2.8	40	1.9	-	80	-	No	No	Industrial	TO-92	29-10.PDF	NA	0	REEL	2000
LM317LZRMG	Active		Single	Positive	Adj	0.1	2.8	40	1.9	-	80	-	No	No	Industrial	TO-92	29-10.PDF	NA	0	FNFLD	2000
LM317LDR2G	Active		Single	Positive	Adj	0.1	2.8	40	1.9	-	80	-	No	No	Industrial	SOLC-8	751-07.PDF	1	260	REEL	2500
LM317LZRP	Active		Single	Positive	Adj	0.1	2.8	40	1.9	-	80	-	No	No	Industrial	TO-92	29-10.PDF	NA	0	FNFLD	2000
LM317LDG	Last Shipments		Single	Positive	Adj	0.1	2.8	40	1.9	-	80	-	No	No	Industrial	SOLC-8	751-07.PDF	1	260	TUBE	98
NCV317LBDG	Last Shipments		Single	Positive	Adj	0.1	2.8	40	1.9	-	80	-	No	No	Automotive	SOLC-8	751-07.PDF	1	260	TUBE	98

LM317LBDG	Obsole te	H Pb	Si ng le	Posi tive	Adj	0. 1	2. 8	40	1. 9	-	80	-	No	No	Indu str ial	SOI C- 8	75 1- 07 .P DF	1	26 0	T U BE	98
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