

## Product Overview

### MC79M: LDO Regulator, 500 mA, 5 V, Negative

For complete documentation, see the data sheet.

The MC79M00 Negative Linear Voltage Regulator is intended as a complement to the popular MC78M00 series devices. Available in fixed output voltage options of -5.0, -8.0, -12 and -15 V, this Negative Linear Voltage Regulator employs current limiting, thermal shutdown and safe-area compensation - making it remarkably rugged under most operating conditions. With adequate heatsinking, it can deliver output currents in excess of 0.5 A.

#### Specifications:

	MC79M00B	MC79M00C
Tolerance	4%	4%
Temperature Range	-40°C to +125°C	0°C to +125°C
Package	DPAK, TO-220	DPAK, TO-220

#### Features

- No External Components Required
- Internal Thermal Overload Protection
- Internal Short Circuit Current Limiting
- Output Transistor Safe-Area Compensation
- Also Available in Surface Mount DPAK (DT) Package DEVICE TYPE/NOMINAL OUTPUT VOLTAGE MC79M05 -5.0 VMC79M12-12 V MC79M08-8.0 VMC79M15-15 V
- Pb-Free Package May be Available. The G-Suffix Denotes a

## Part Electrical Specifications

Product	Compliance	Status	Output	Polarity	V <sub>O</sub> (V)	I <sub>O</sub> Typ (A)	V <sub>I</sub> Min (V)	V <sub>I</sub> Max (V)	V <sub>DO</sub> Typ (V)	I <sub>g</sub> Typ (mA)	PSRR (dB)	Noise (μV <sub>rms</sub> )	Enable	Power Good	Package Type
MC79M05BDTG	Pb-free Halide free	Active	Single	Negative	-5	0.5	-6.1	-35	1.1	4.3	66	40	No	No	DPAK-3
MC79M05BDTRKG	Pb-free Halide free	Active	Single	Negative	-5	0.5	-6.1	-35	1.1	4.3	66	40	No	No	DPAK-3
MC79M05BTG	Pb-free Halide free	Active	Single	Negative	-5	0.5	-6.1	-35	1.1	4.3	66	40	No	No	TO-220-3
MC79M05CDTG	Pb-free Halide free	Active	Single	Negative	-5	0.5	-6.1	-35	1.1	4.3	66	40	No	No	DPAK-3
MC79M05CDTRKG	Pb-free Halide free	Active	Single	Negative	-5	0.5	-6.1	-35	1.1	4.3	66	40	No	No	DPAK-3
MC79M05CTG	Pb-free Halide free	Active	Single	Negative	-5	0.5	-6.1	-35	1.1	4.3	66	40	No	No	TO-220-3
MC79M08BDTG	Pb-free Halide free	Active	Single	Negative	-8	0.5	-9.1	-35	1.1	4.3	66	40	No	No	DPAK-3
MC79M08BDTRKG	Pb-free Halide free	Active	Single	Negative	-8	0.5	-9.1	-35	1.1	4.3	66	40	No	No	DPAK-3
MC79M08BTG	Pb-free Halide free	Active	Single	Negative	-8	0.5	-9.1	-35	1.1	4.3	66	40	No	No	TO-220-3
MC79M08CDTG	Pb-free Halide free	Active	Single	Negative	-8	0.5	-9.1	-35	1.1	4.3	66	40	No	No	DPAK-3
MC79M08CDTRKG	Pb-free Halide free	Active	Single	Negative	-8	0.5	-9.1	-35	1.1	4.3	66	40	No	No	DPAK-3
MC79M08CTG	Pb-free Halide free	Active	Single	Negative	-8	0.5	-9.1	-35	1.1	4.3	66	40	No	No	TO-220-3
MC79M12BDTG	Pb-free Halide free	Active	Single	Negative	-12	0.5	-13.1	-35	1.1	4.3	66	40	No	No	DPAK-3
MC79M12BDTRKG	Pb-free Halide free	Active	Single	Negative	-12	0.5	-13.1	-35	1.1	4.3	66	40	No	No	DPAK-3
MC79M12BTG	Pb-free Halide free	Active	Single	Negative	-12	0.5	-13.1	-35	1.1	4.3	66	40	No	No	TO-220-3
MC79M12CDTG	Pb-free Halide free	Active	Single	Negative	-12	0.5	-13.1	-35	1.1	4.3	66	40	No	No	DPAK-3
MC79M12CDTRKG	Pb-free Halide free	Active	Single	Negative	-12	0.5	-13.1	-35	1.1	4.3	66	40	No	No	DPAK-3
MC79M12CTG	Pb-free Halide free	Active	Single	Negative	-12	0.5	-13.1	-35	1.1	4.3	66	40	No	No	TO-220-3
MC79M15BDTG	Pb-free Halide free	Active	Single	Negative	-15	0.5	-16.1	-35	1.1	4.3	66	40	No	No	DPAK-3
MC79M15BDTRKG	Pb-free Halide free	Active	Single	Negative	-15	0.5	-16.1	-35	1.1	4.3	66	40	No	No	DPAK-3
MC79M15BTG	Pb-free Halide free	Active	Single	Negative	-15	0.5	-16.1	-35	1.1	4.3	66	40	No	No	TO-220-3
MC79M15CDTG	Pb-free Halide free	Active	Single	Negative	-15	0.5	-16.1	-35	1.1	4.3	66	40	No	No	DPAK-3
MC79M15CDTRKG	Pb-free Halide free	Active	Single	Negative	-15	0.5	-16.1	-35	1.1	4.3	66	40	No	No	DPAK-3
MC79M15CTG	Pb-free Halide free	Active	Single	Negative	-15	0.5	-16.1	-35	1.1	4.3	66	40	No	No	TO-220-3

For more information please contact your local sales support at [www.onsemi.com](http://www.onsemi.com).

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